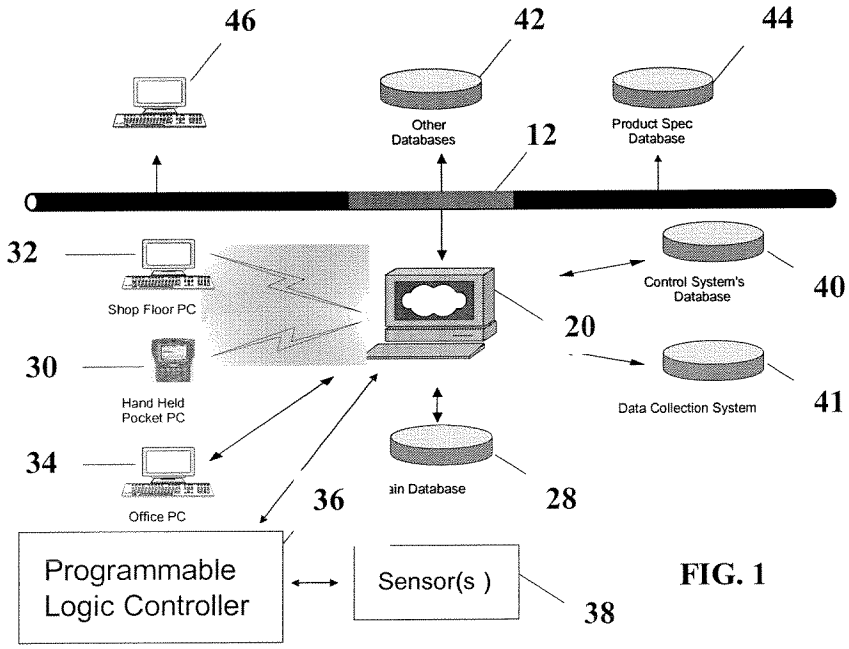

46
42
44
Other Databases
12
Product Spec Database
32
Shop Floor PC
Control System's Database
40
20
30
Hand Held Pocket PC
Data Collection System
41
34
Office PC
36
28
Programmable Logic Controller
Sensor(s)
38

FIG. 1

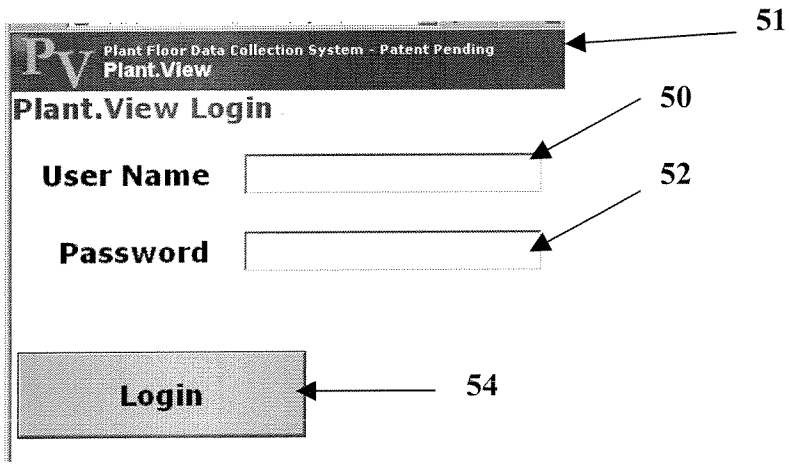
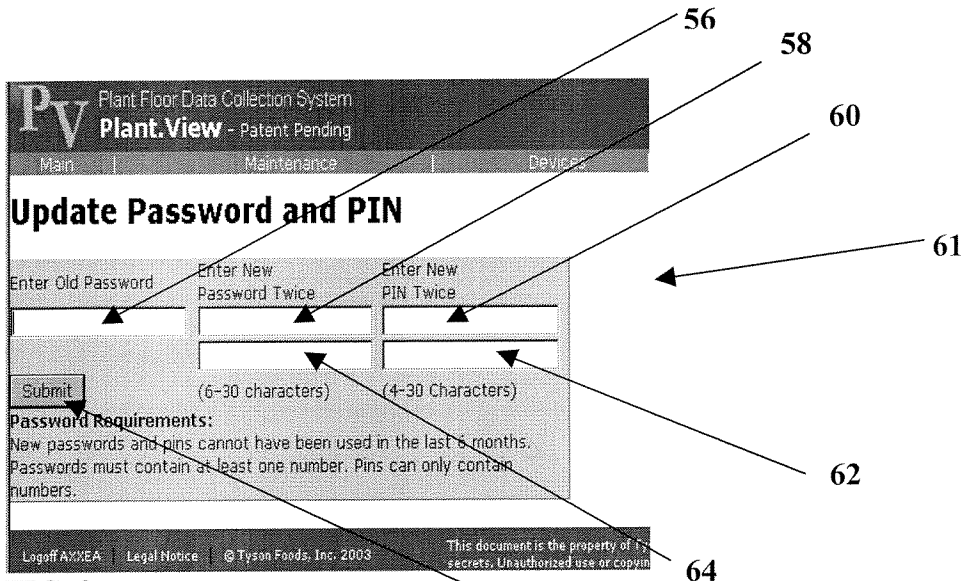

51
Plant Floor Data Collection System - Patent Pending
Plant.View
Plant.View Login
50
User Name
52
Password
Login
54

FIG. 2


Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Devices
Update Password and PIN
Enter Old Password
Enter New Password Twice
Enter New PIN Twice
Submit
(6-30 characters)
(4-30 Characters)
Password Requirements:
New passwords and pins cannot have been used in the last 6 months.
Passwords must contain at least one number. Pins can only contain numbers.
Logoff AXXEA
Legal Notice
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secrets. Unauthorized use or copyin
56
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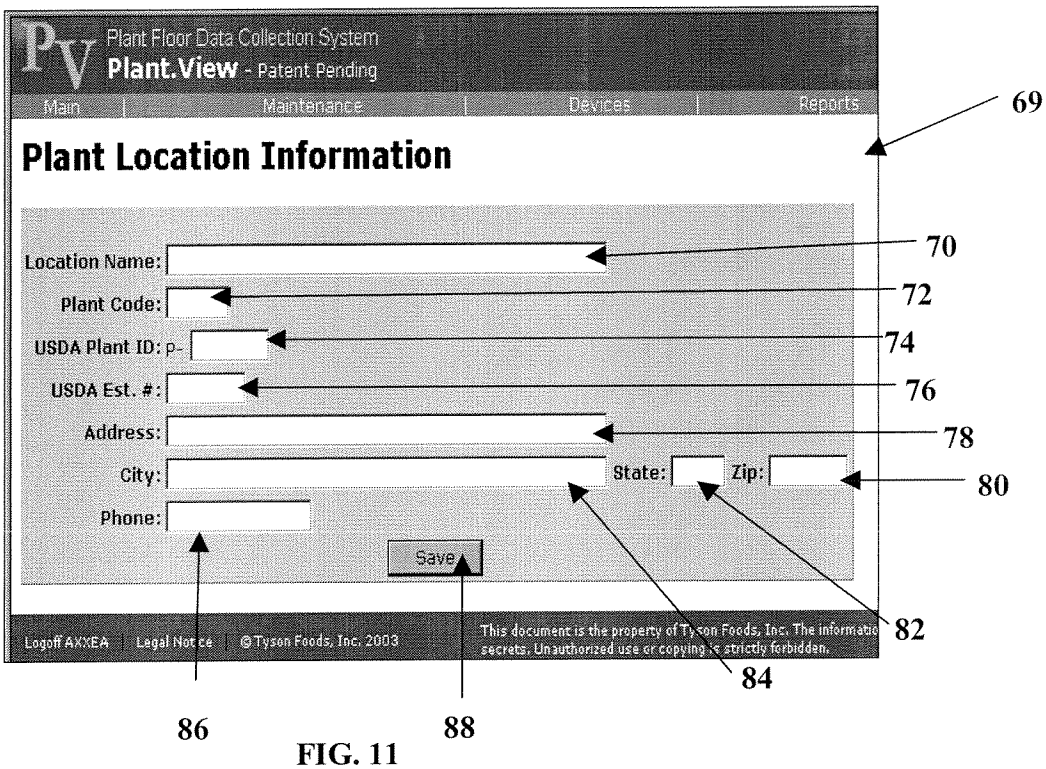
FIG. 3


Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Devices
Reports
Plant Location Information
Location Name:
Plant Code:
USDA Plant ID: p-
USDA Est. #:
Address:
City:
State:
Zip:
Phone:
Save
Logoff AXXEA
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69
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FIG. 11

RF Pocket PC Handheld Data Collection Flow

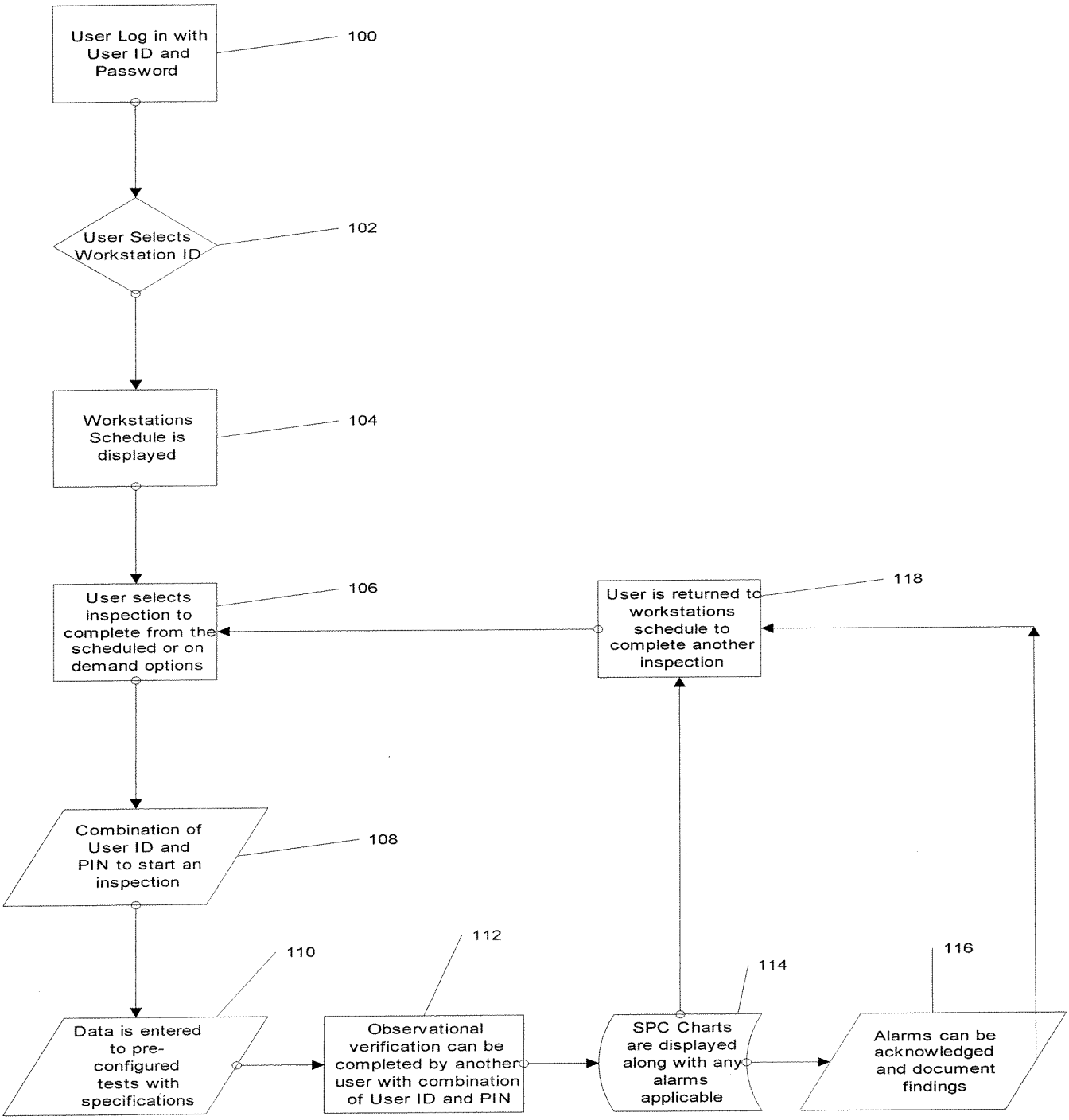

FIG. 4

Desktop Data Collection Flow

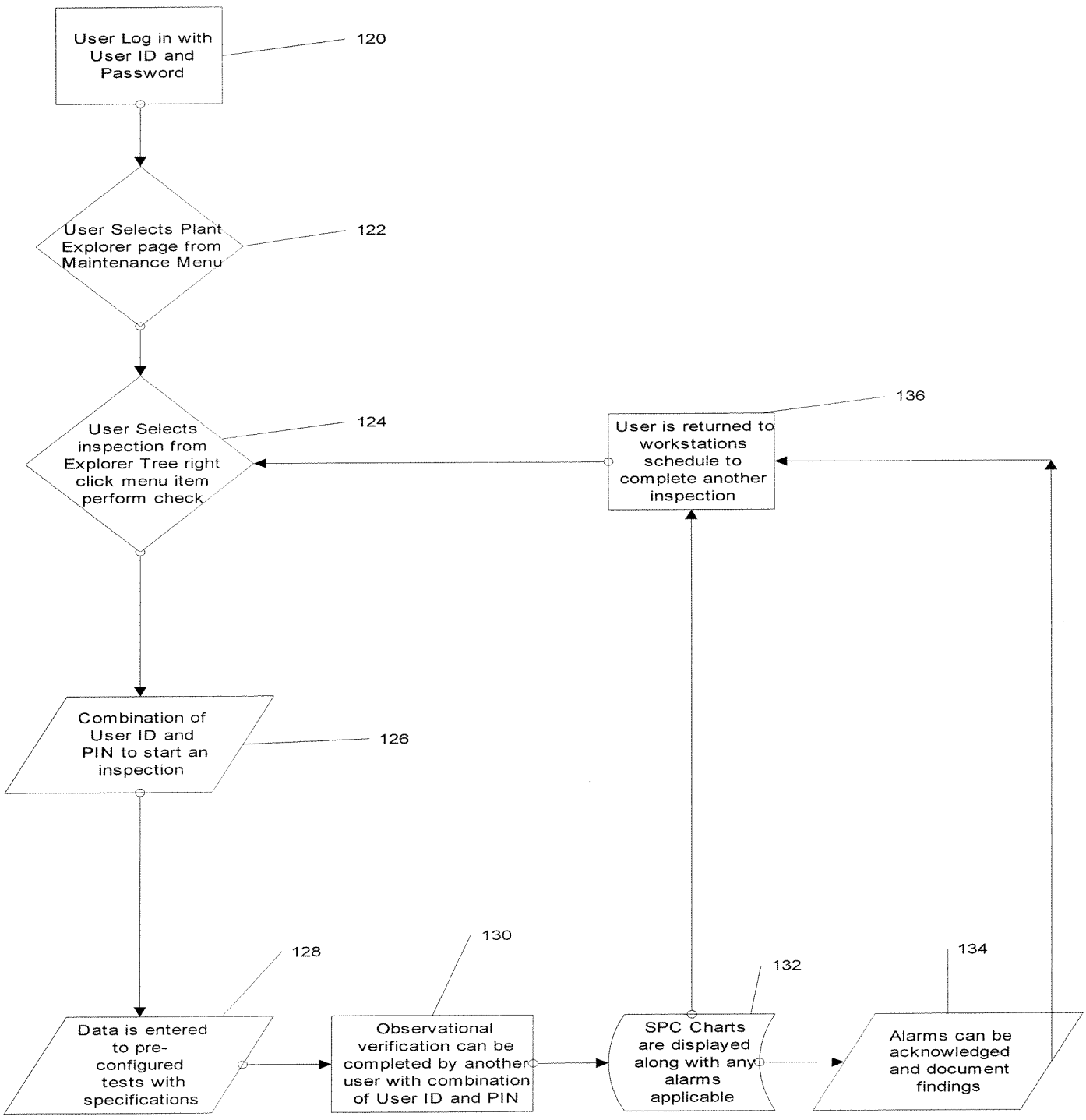

FIG. 5

Desktop Data Reporting Flow

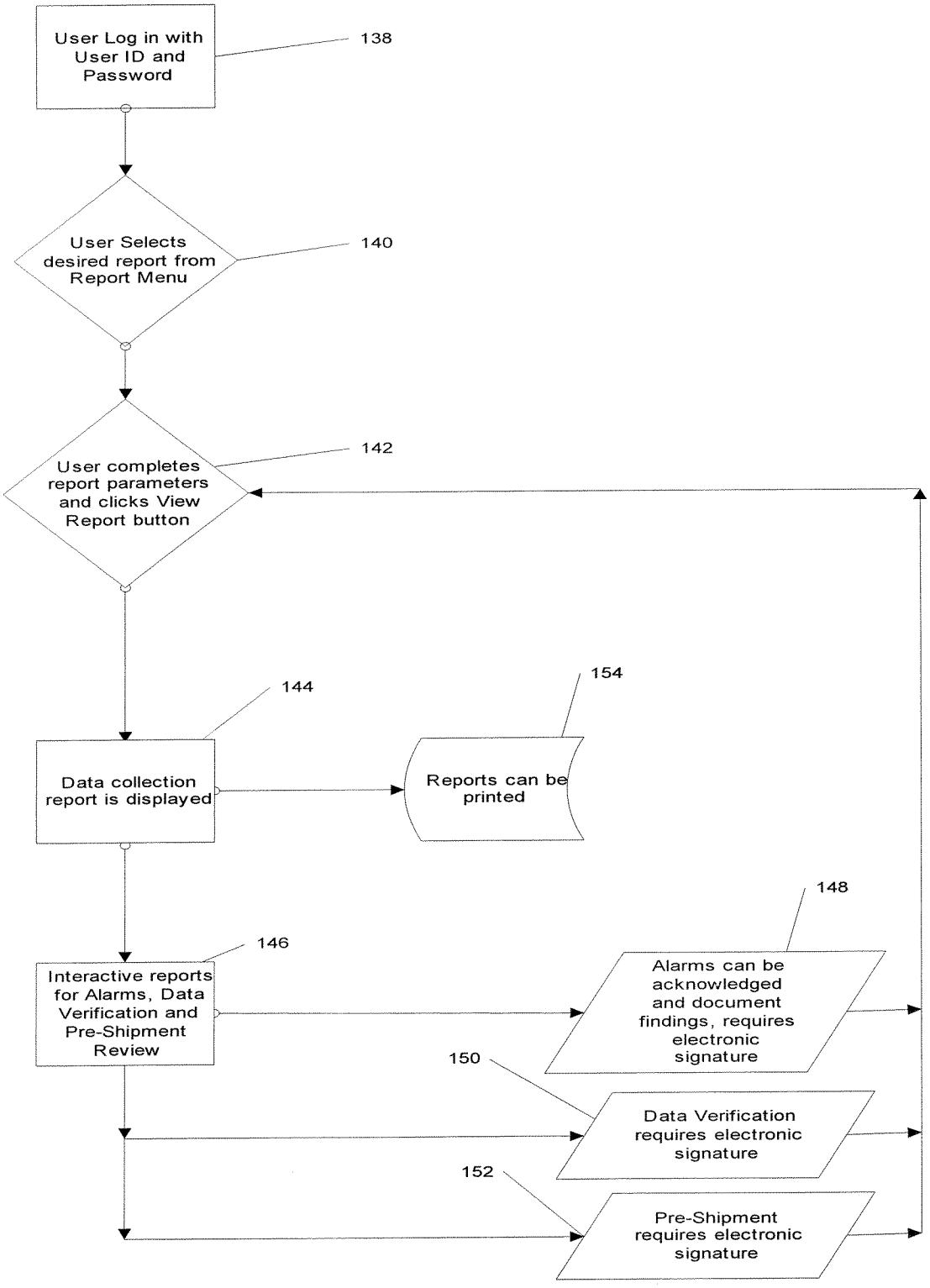

FIG. 6

Process to Add Users to the System

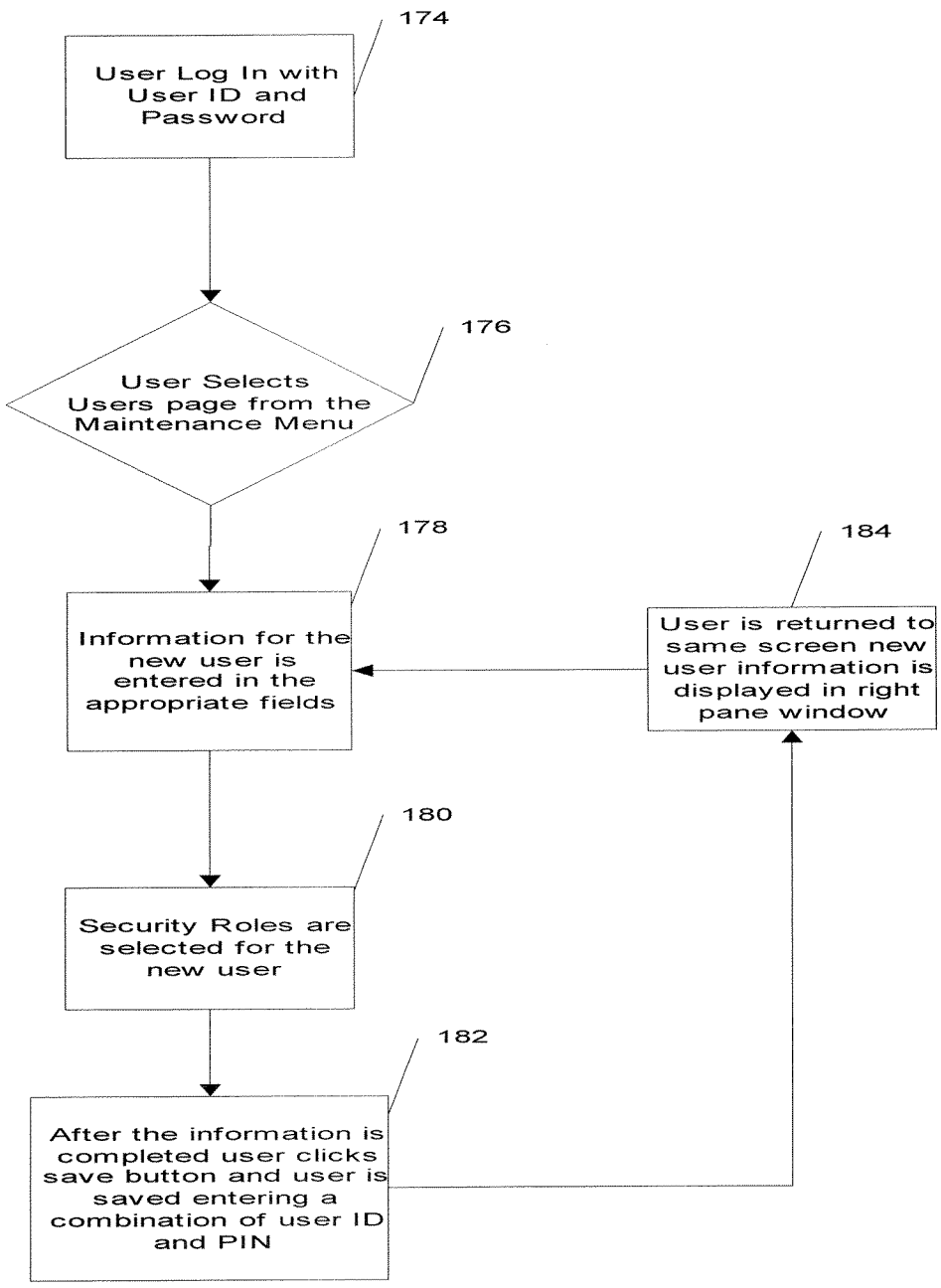

FIG. 7

Creating Inspection Points or Data Collection Tests Flow

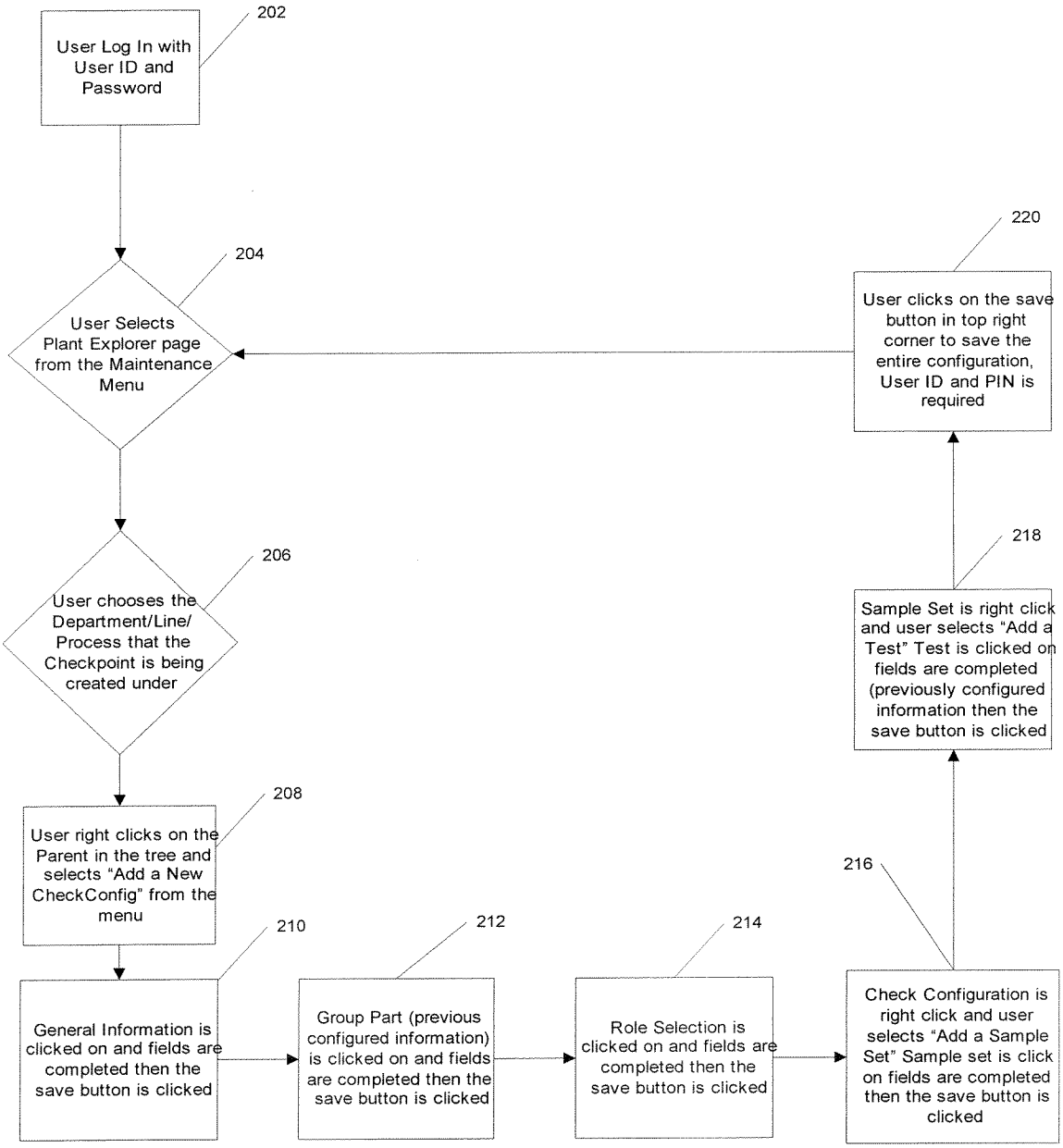

FIG. 8

Creating a Schedule Flow

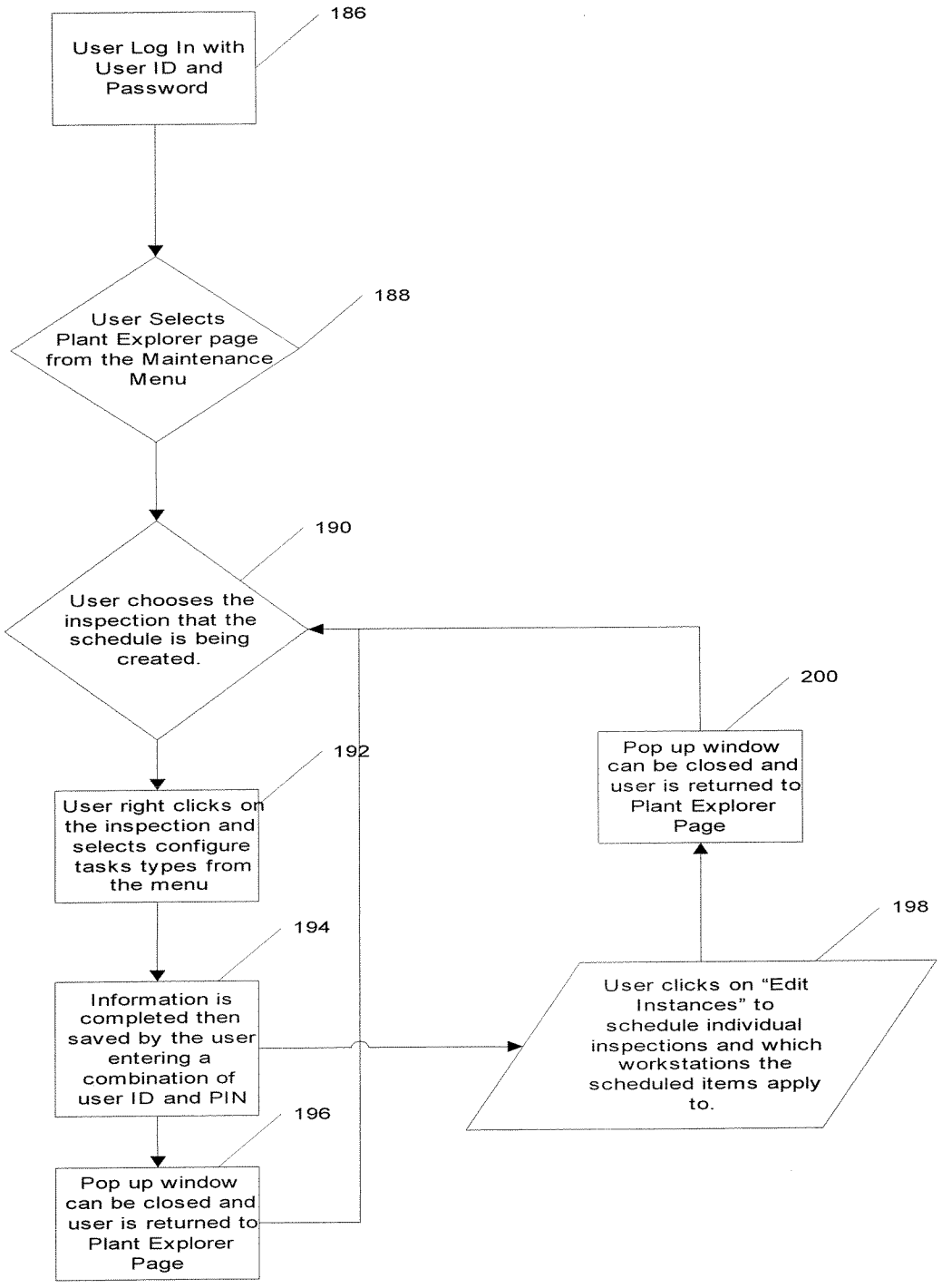

FIG. 9

Adding and Updating Part Information

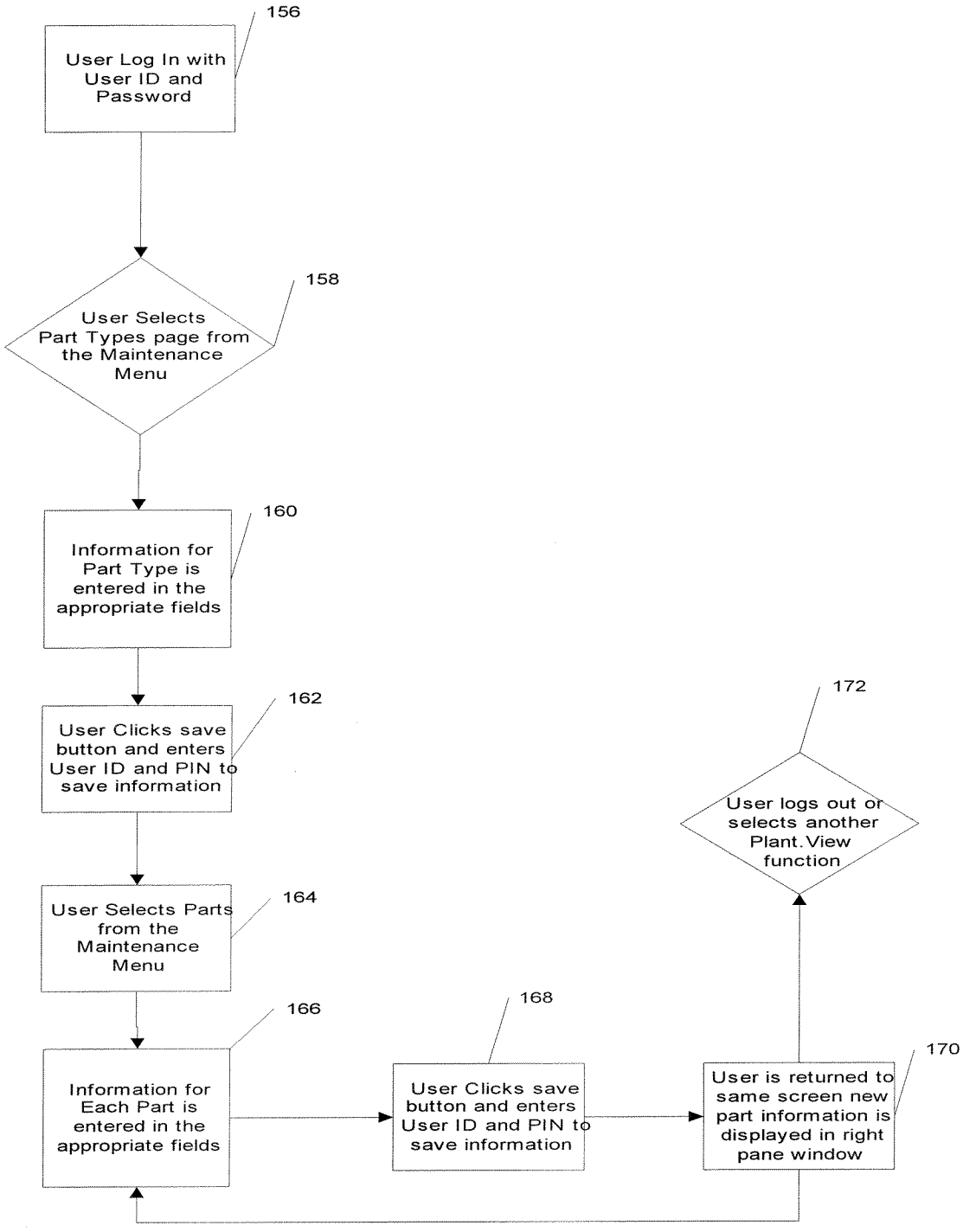

FIG. 10

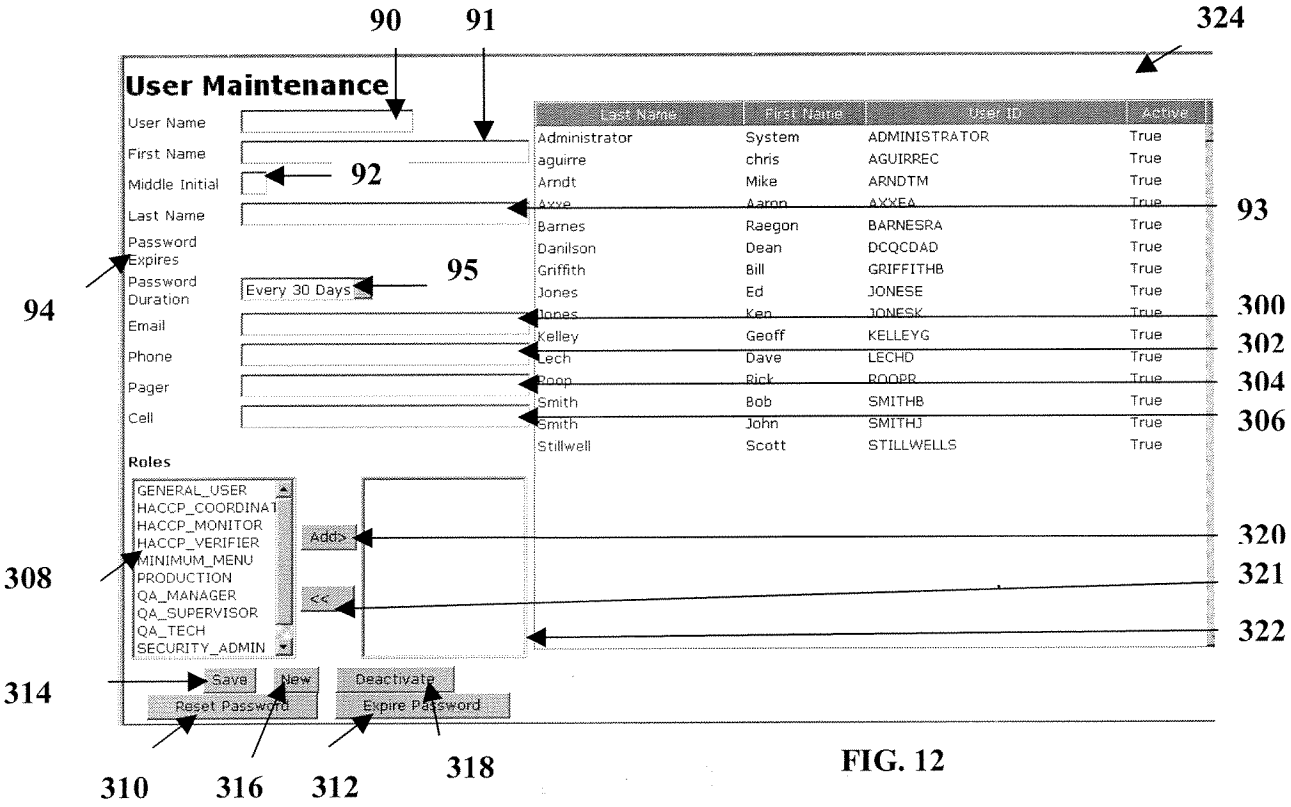
User Maintenance
User Name
First Name
Middle Initial
Last Name
Password Expires
Password Duration
Every 30 Days
Email
Phone
Pager
Cell
Roles
GENERAL_USER
HACCP_COORDINA1
HACCP_MONITOR
HACCP_VERIFIER
MINIMUM_MENU
PRODUCTION
QA_MANAGER
QA_SUPERVISOR
QA_TECH
SECURITY_ADMIN
Add>
<<
Save
New
Deactivate
Reset Password
Expire Password
Last Name
First Name
User ID
Active
Administrator System ADMINISTRATOR True
aguirre chris AGUIRREC True
Arndt Mike ARNDTM True
Axxe Aaron AXXEA True
Barnes Raegon BARNESRA True
Danilson Dean DCQCDAD True
Griffith Bill GRIFFITHB True
Jones Ed JONESE True
Jones Ken JONESK True
Kelley Geoff KELLEYG True
Lech Dave LECHD True
Poop Rick POOPR True
Smith Bob SMITHB True
Smith John SMITHJ True
Stillwell Scott STILLWELLS True
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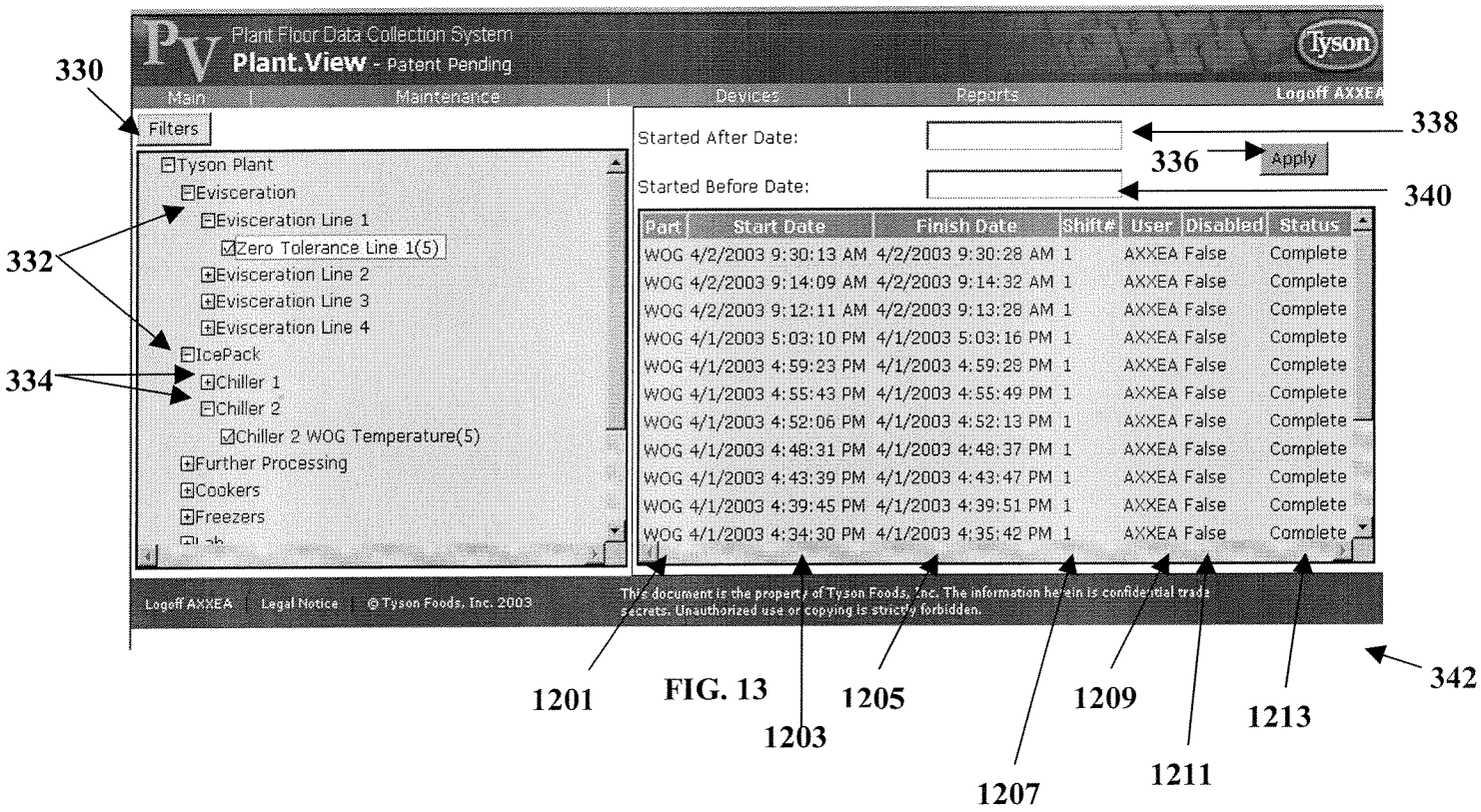
FIG. 12


Plant Floor Data Collection System
Plant.View - Patent Pending
Tyson
Main
Maintenance
Devices
Reports
Logoff AXXEA
Filters
Tyson Plant
Evisceration
Evisceration Line 1
Zero Tolerance Line 1(5)
Evisceration Line 2
Evisceration Line 3
Evisceration Line 4
IcePack
Chiller 1
Chiller 2
Chiller 2 WOG Temperature(5)
Further Processing
Cookers
Freezers
Started After Date:
Started Before Date:
Apply
Part Start Date Finish Date Shift# User Disabled Status
WOG 4/2/2003 9:30:13 AM 4/2/2003 9:30:28 AM 1 AXXEA False Complete
WOG 4/2/2003 9:14:09 AM 4/2/2003 9:14:32 AM 1 AXXEA False Complete
WOG 4/2/2003 9:12:11 AM 4/2/2003 9:13:28 AM 1 AXXEA False Complete
WOG 4/1/2003 5:03:10 PM 4/1/2003 5:03:16 PM 1 AXXEA False Complete
WOG 4/1/2003 4:59:23 PM 4/1/2003 4:59:29 PM 1 AXXEA False Complete
WOG 4/1/2003 4:55:43 PM 4/1/2003 4:55:49 PM 1 AXXEA False Complete
WOG 4/1/2003 4:52:06 PM 4/1/2003 4:52:13 PM 1 AXXEA False Complete
WOG 4/1/2003 4:48:31 PM 4/1/2003 4:48:37 PM 1 AXXEA False Complete
WOG 4/1/2003 4:43:39 PM 4/1/2003 4:43:47 PM 1 AXXEA False Complete
WOG 4/1/2003 4:39:45 PM 4/1/2003 4:39:51 PM 1 AXXEA False Complete
WOG 4/1/2003 4:34:30 PM 4/1/2003 4:35:42 PM 1 AXXEA False Complete
Logoff AXXEA
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332
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1201
1203
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1209
1211
1213

FIG. 13

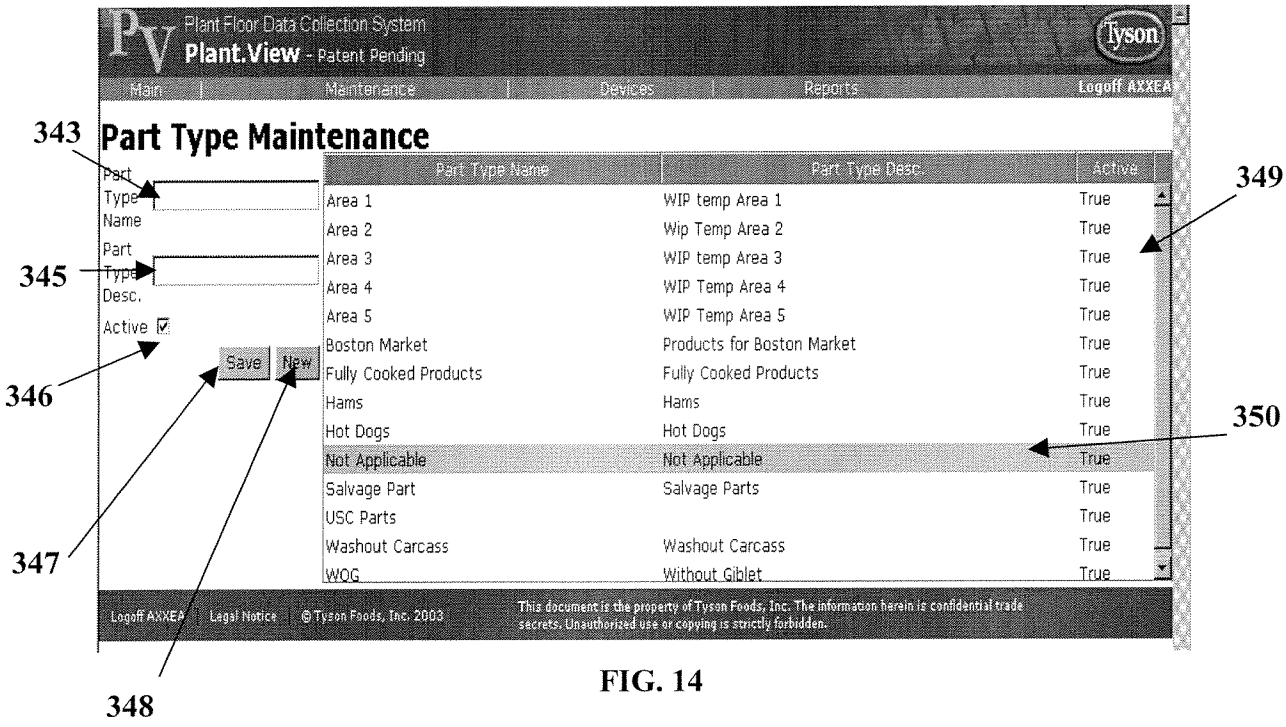
Plant Floor Data Collection System
Plant.View - Patent Pending
Tyson
Main
Maintenance
Devices
Reports
Logoff AXXEA
343
Part Type Maintenance
Part Type Name
345
Part Type Desc.
Active
346
Save
New
347
348
Part Type Name
Part Type Desc.
Active
Area 1 WIP temp Area 1 True
Area 2 Wip Temp Area 2 True
Area 3 WIP temp Area 3 True
Area 4 WIP Temp Area 4 True
Area 5 WIP Temp Area 5 True
Boston Market Products for Boston Market True
Fully Cooked Products Fully Cooked Products True
Hams Hams True
Hot Dogs Hot Dogs True
Not Applicable Not Applicable True
Salvage Part Salvage Parts True
USC Parts True
Washout Carcass Washout Carcass True
WOG Without Giblet True
349
350
Logoff AXXEA
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FIG. 14

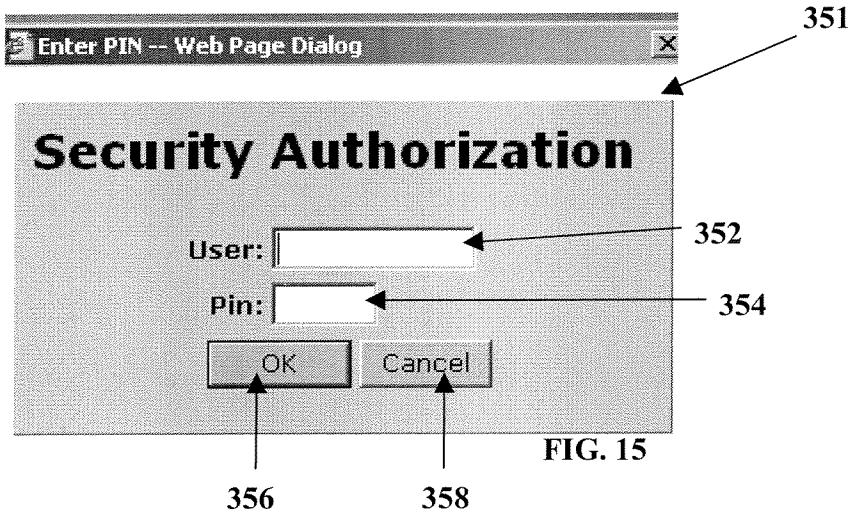
Enter PIN -- Web Page Dialog
351
Security Authorization
User:
352
Pin:
354
OK
Cancel
356
358

FIG. 15

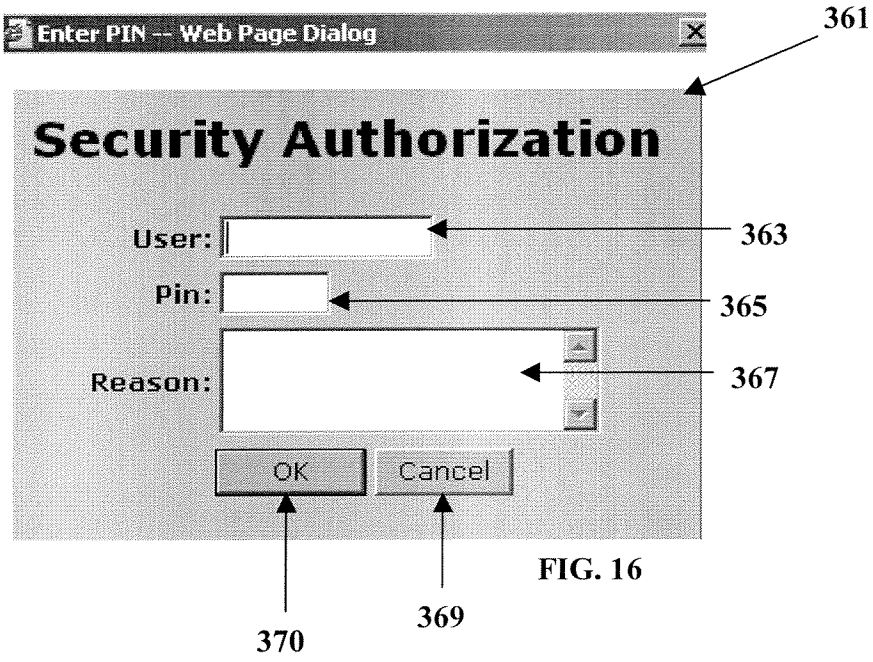
Enter PIN -- Web Page Dialog
Security Authorization
User:
Pin:
Reason:
OK
Cancel
361
363
365
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FIG. 16

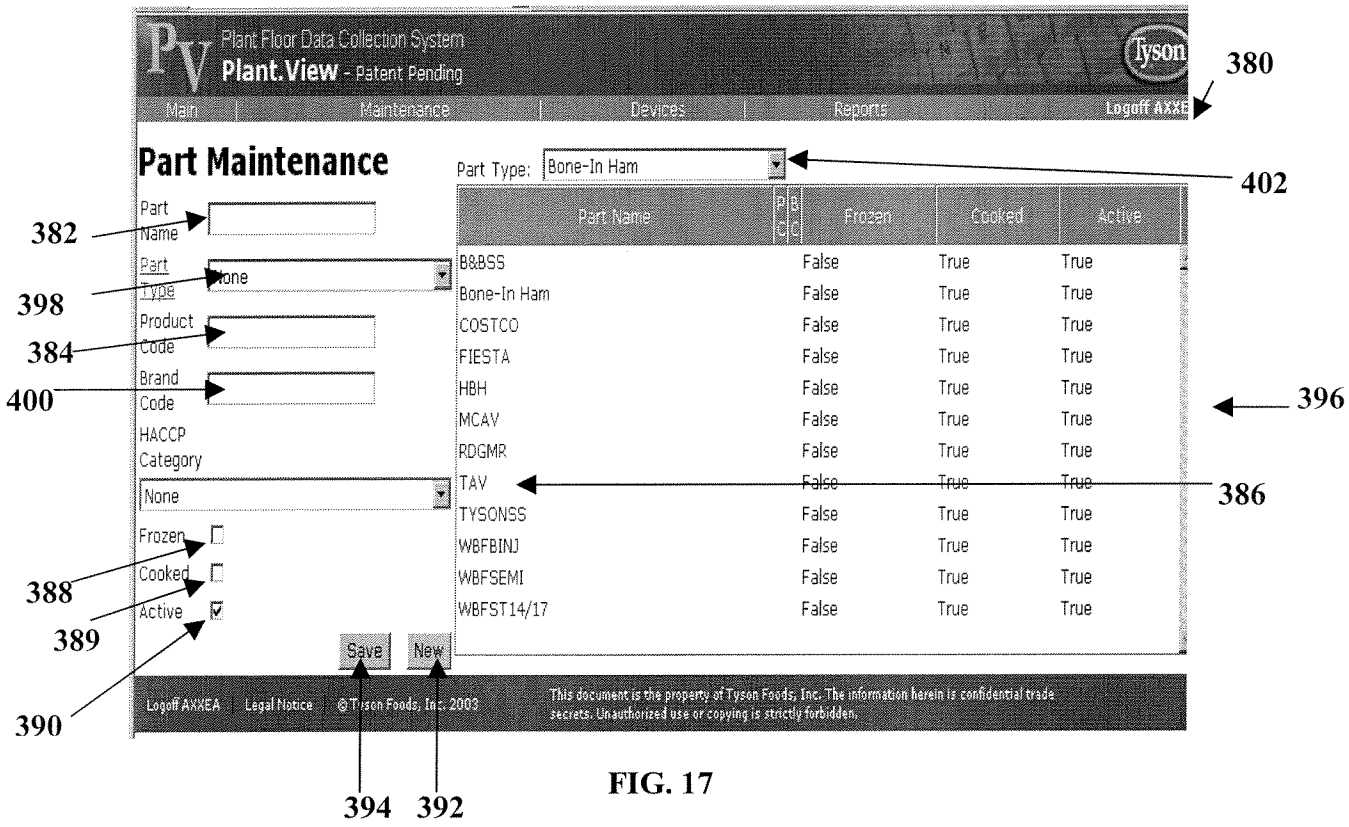
Plant Floor Data Collection System
Plant.View - Patent Pending
Tyson
Main
Maintenance
Devices
Reports
Logoff AXXE
Part Maintenance
Part Type: Bone-In Ham
Part Name
Part Type
None
Product Code
Brand Code
HACCP Category
None
Frozen
Cooked
Active
Save
New
Part Name
Frozen
Cooked
Active
B&BSS False True True
Bone-In Ham False True True
COSTCO False True True
FIESTA False True True
HBH False True True
MCAV False True True
RDGMR False True True
TAV False True True
TYSONSS False True True
WBFBINJ False True True
WBFSEMI False True True
WBFST14/17 False True True
Logoff AXXEA
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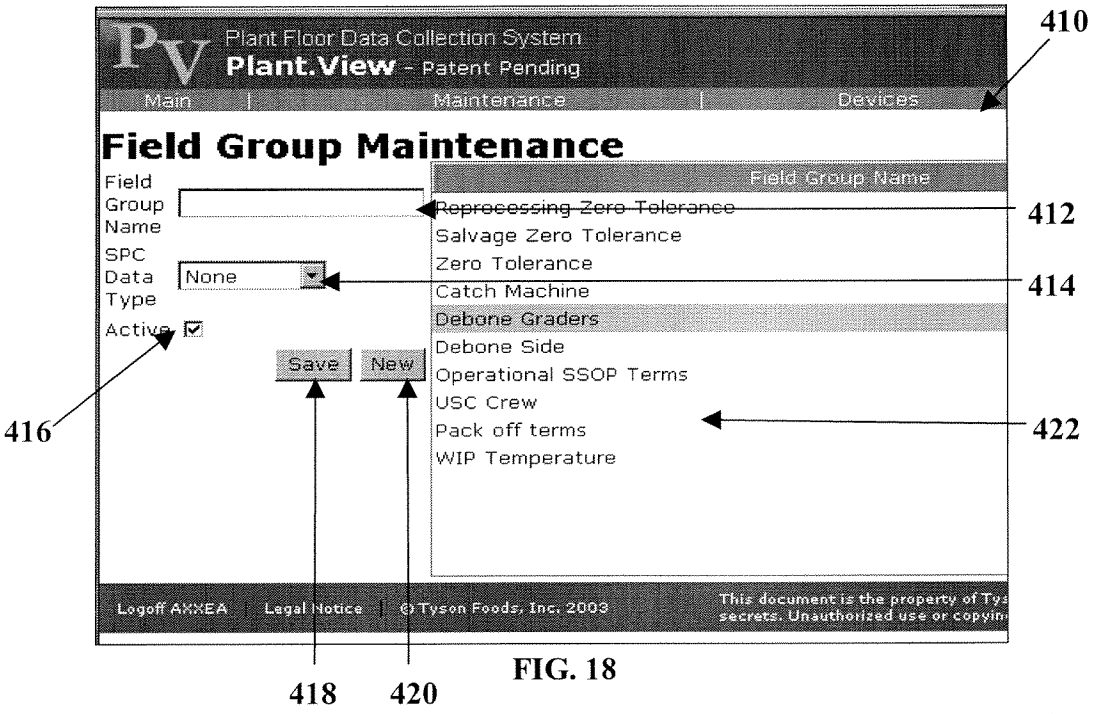
FIG. 17


Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Devices
Field Group Maintenance
Field Group Name
SPC Data Type
None
Active
Save
New
Field Group Name
Reprocessing Zero Tolerance
Salvage Zero Tolerance
Zero Tolerance
Catch Machine
Debone Graders
Debone Side
Operational SSOP Terms
USC Crew
Pack off terms
WIP Temperature
Logoff AXXEA
Legal Notice
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410
412
414
416
418
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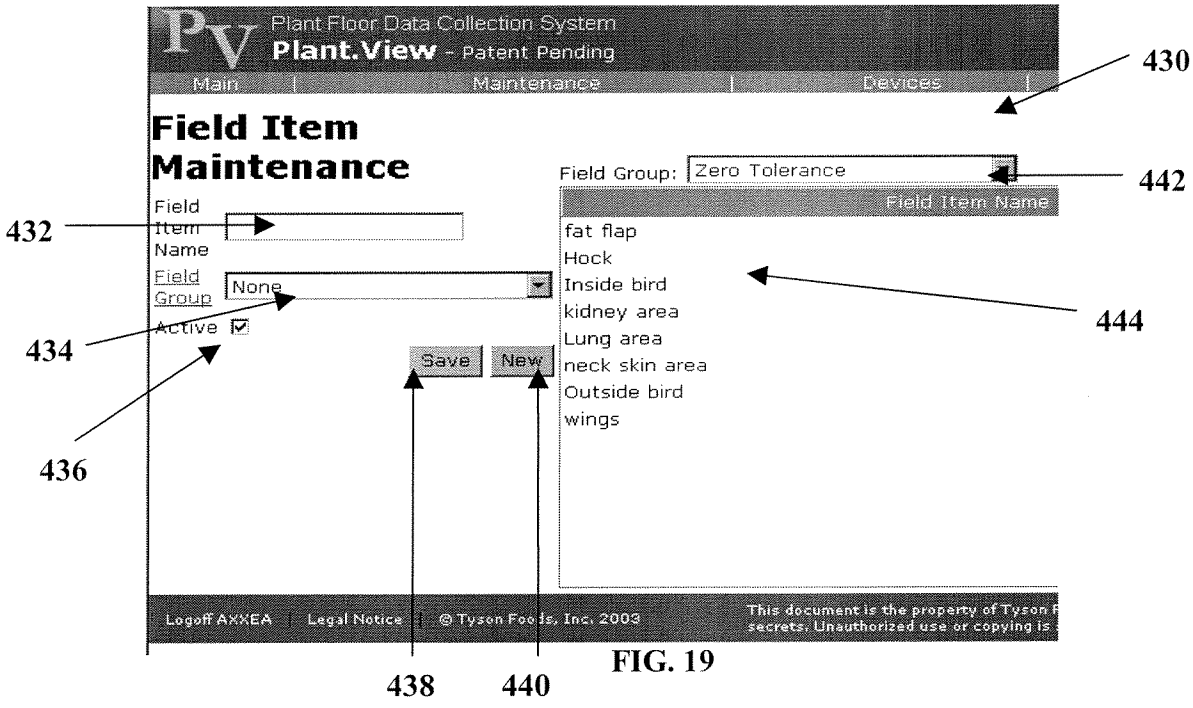
422

FIG. 18


Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Devices
Field Item Maintenance
Field Item Name
None
Active
Save
New
Field Group:
Zero Tolerance
Field Item Name
fat flap
Hock
Inside bird
kidney area
Lung area
neck skin area
Outside bird
wings
Logoff AXXEA
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430
432
434
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438
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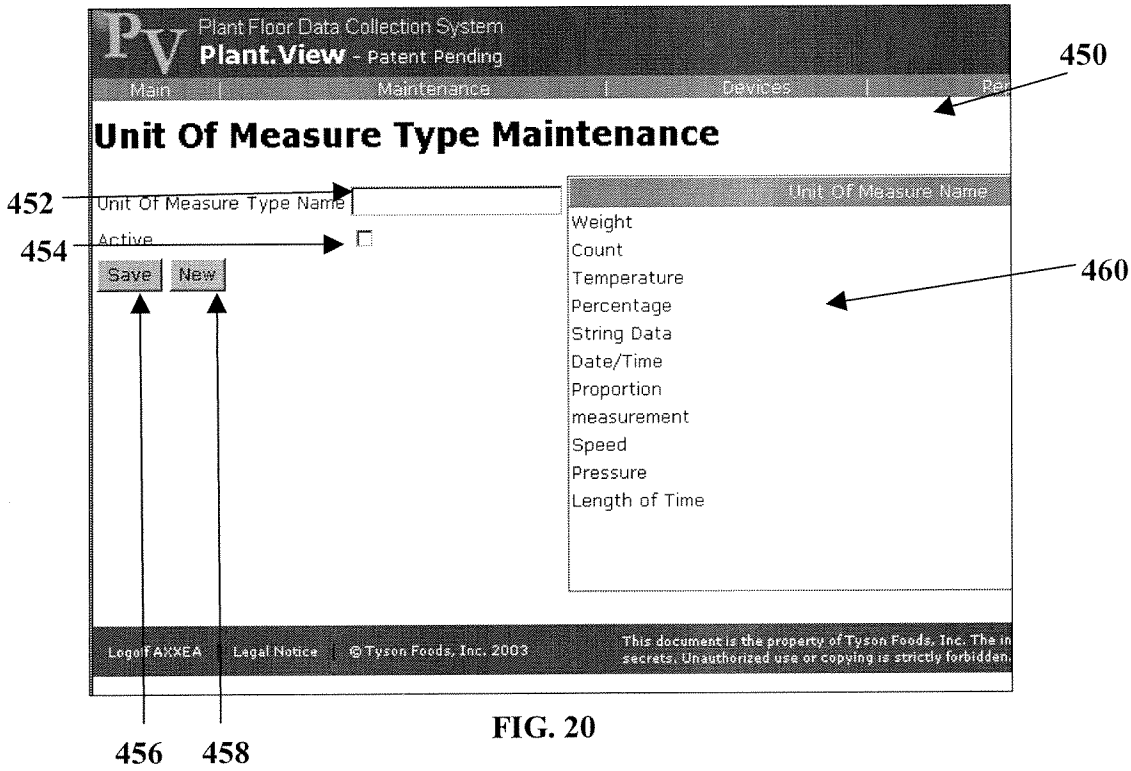
442
444

FIG. 19


Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Devices
Unit Of Measure Type Maintenance
Unit Of Measure Type Name
Active
Save
New
Unit Of Measure Name
Weight
Count
Temperature
Percentage
String Data
Date/Time
Proportion
measurement
Speed
Pressure
Length of Time
Logo FAXXEA
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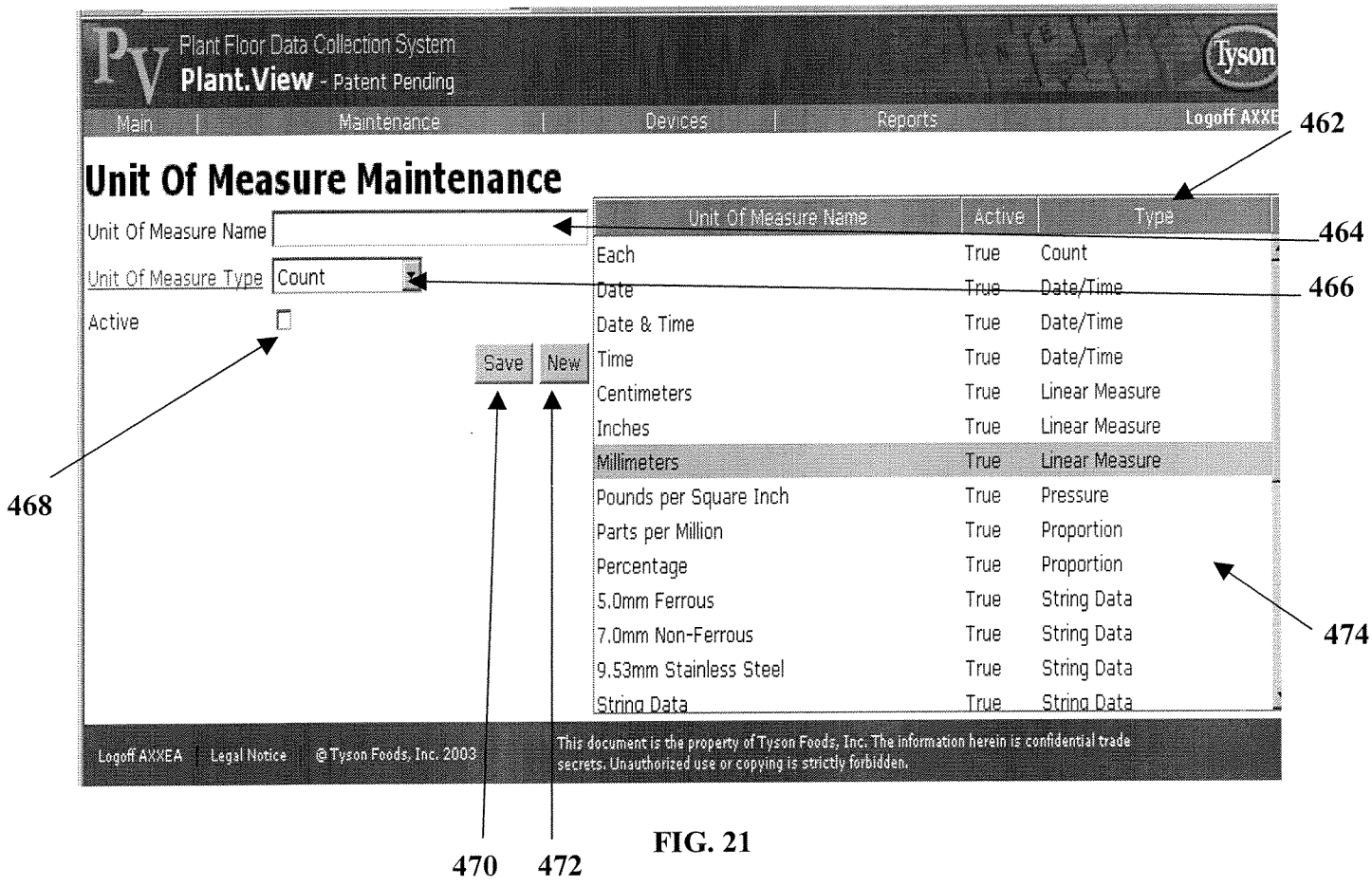
456
458

FIG. 20


Plant Floor Data Collection System
Plant.View - Patent Pending
Tyson
Main | Maintenance | Devices | Reports | Logoff AXXE
Unit Of Measure Maintenance
Unit Of Measure Name
Unit Of Measure Type
Count
Active
Save
New
Unit Of Measure Name | Active | Type
Each True Count
Date True Date/Time
Date & Time True Date/Time
Time True Date/Time
Centimeters True Linear Measure
Inches True Linear Measure
Millimeters True Linear Measure
Pounds per Square Inch True Pressure
Parts per Million True Proportion
Percentage True Proportion
5.0mm Ferrous True String Data
7.0mm Non-Ferrous True String Data
9.53mm Stainless Steel True String Data
String Data True String Data
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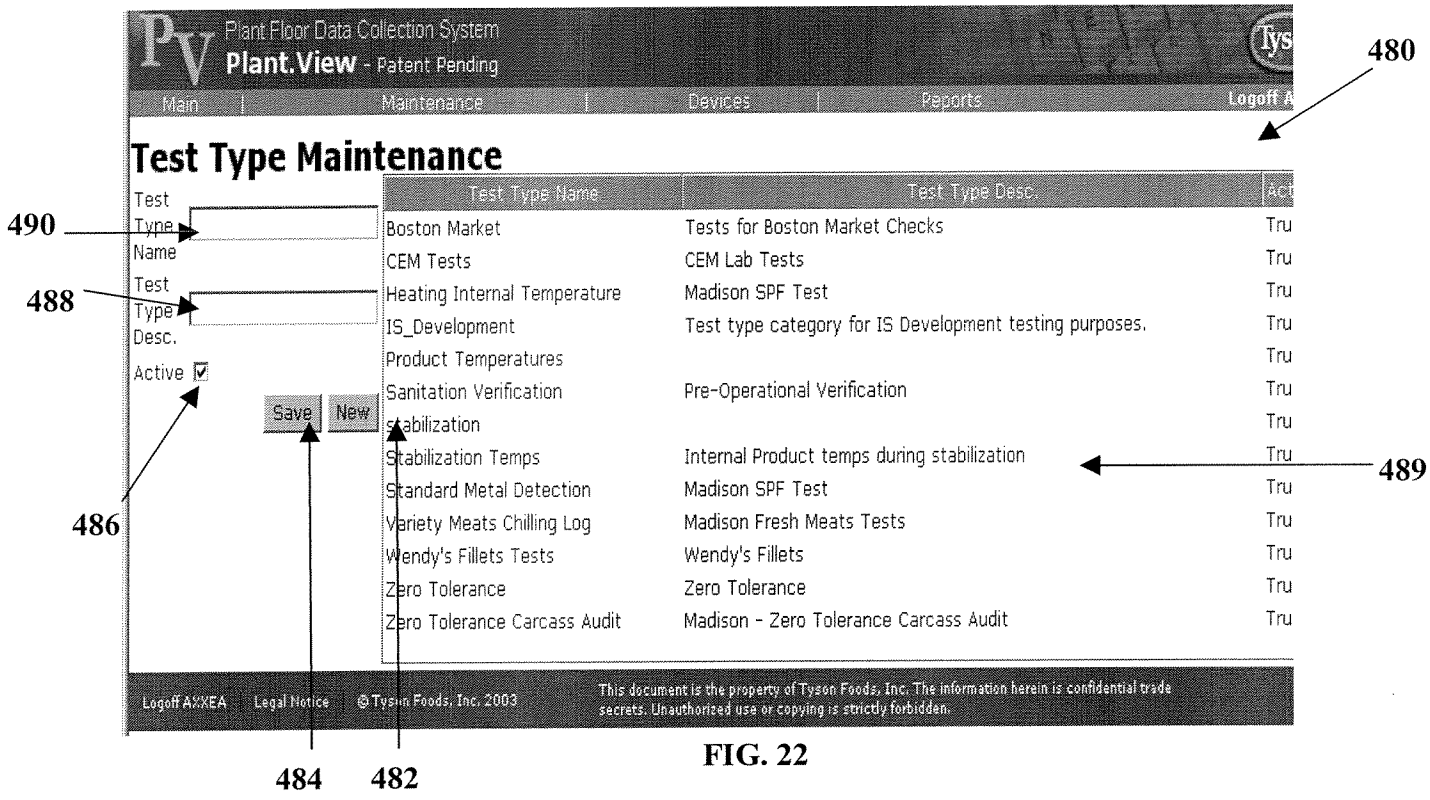
462
464
466
468
470
472
474

FIG. 21


Plant Floor Data Collection System
Plant.View - Patent Pending
Main | Maintenance | Devices | Reports | Logoff A
Test Type Maintenance
Test Type Name
Test Type Name
Test Type Desc.
Active
Save
New
Boston Market Tests for Boston Market Checks Tru
CEM Tests CEM Lab Tests Tru
Heating Internal Temperature Madison SPF Test Tru
IS_Development Test type category for IS Development testing purposes. Tru
Product Temperatures Tru
Sanitation Verification Pre-Operational Verification Tru
Stabilization Tru
Stabilization Temps Internal Product temps during stabilization Tru
Standard Metal Detection Madison SPF Test Tru
Variety Meats Chilling Log Madison Fresh Meats Tests Tru
Wendy's Fillets Tests Wendy's Fillets Tru
Zero Tolerance Zero Tolerance Tru
Zero Tolerance Carcass Audit Madison - Zero Tolerance Carcass Audit Tru
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484
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FIG. 22

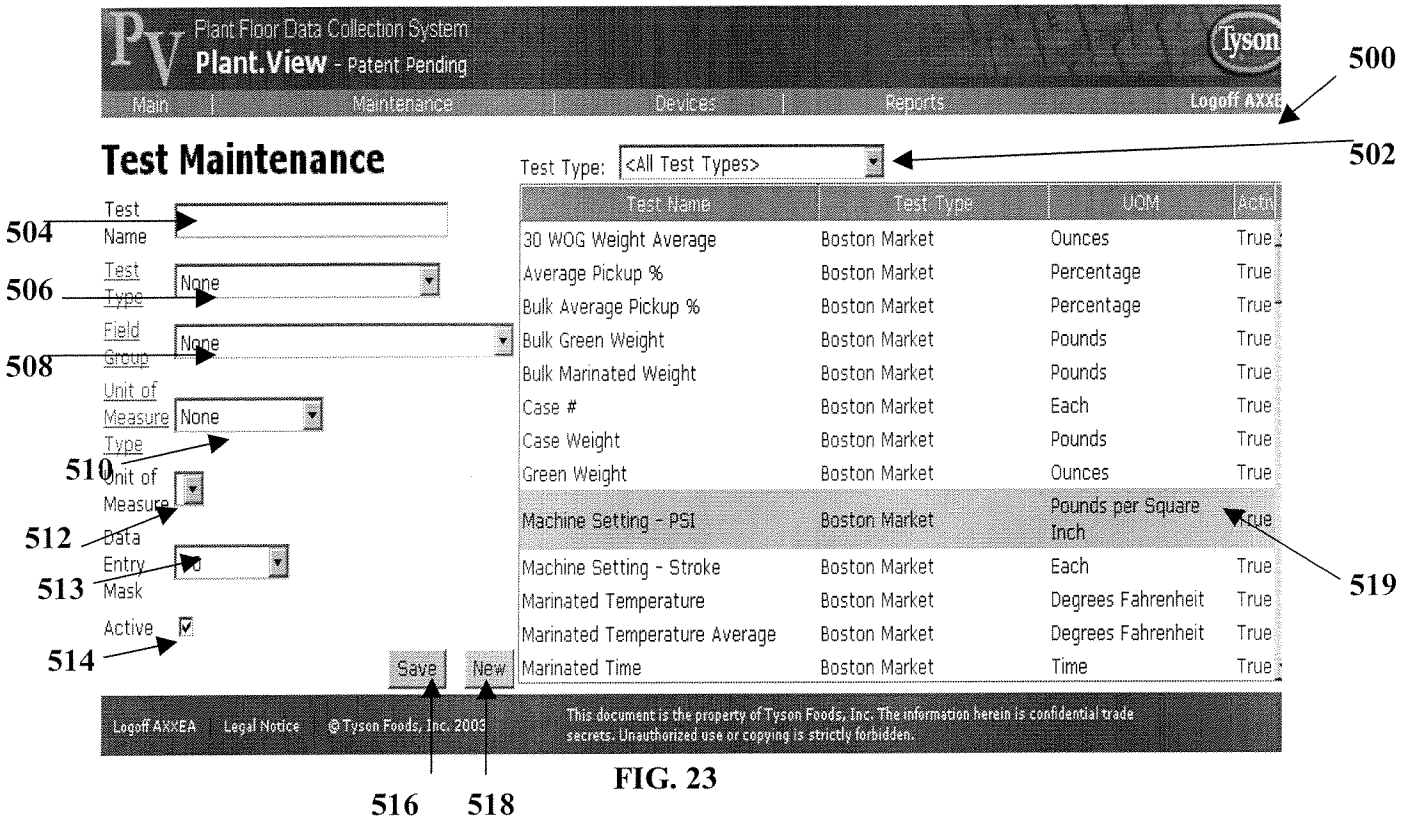
Plant Floor Data Collection System
Plant.View - Patent Pending
Tyson
Main
Maintenance
Devices
Reports
Logoff AXXE
500
Test Maintenance
Test Type: <All Test Types>
502
Test Name
504
Test Type
506
None
Field Group
508
None
Unit of Measure Type
None
510
Unit of Measure
512
Data Entry Mask
513
Active
514
Save
New
516
518
Test Name
Test Type
UOM
Actin
30 WOG Weight Average
Boston Market
Ounces
True
Average Pickup %
Boston Market
Percentage
True
Bulk Average Pickup %
Boston Market
Percentage
True
Bulk Green Weight
Boston Market
Pounds
True
Bulk Marinated Weight
Boston Market
Pounds
True
Case #
Boston Market
Each
True
Case Weight
Boston Market
Pounds
True
Green Weight
Boston Market
Ounces
True
Machine Setting - PSI
Boston Market
Pounds per Square Inch
True
519
Machine Setting - Stroke
Boston Market
Each
True
Marinated Temperature
Boston Market
Degrees Fahrenheit
True
Marinated Temperature Average
Boston Market
Degrees Fahrenheit
True
Marinated Time
Boston Market
Time
True
Logoff AXXEA
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FIG. 23

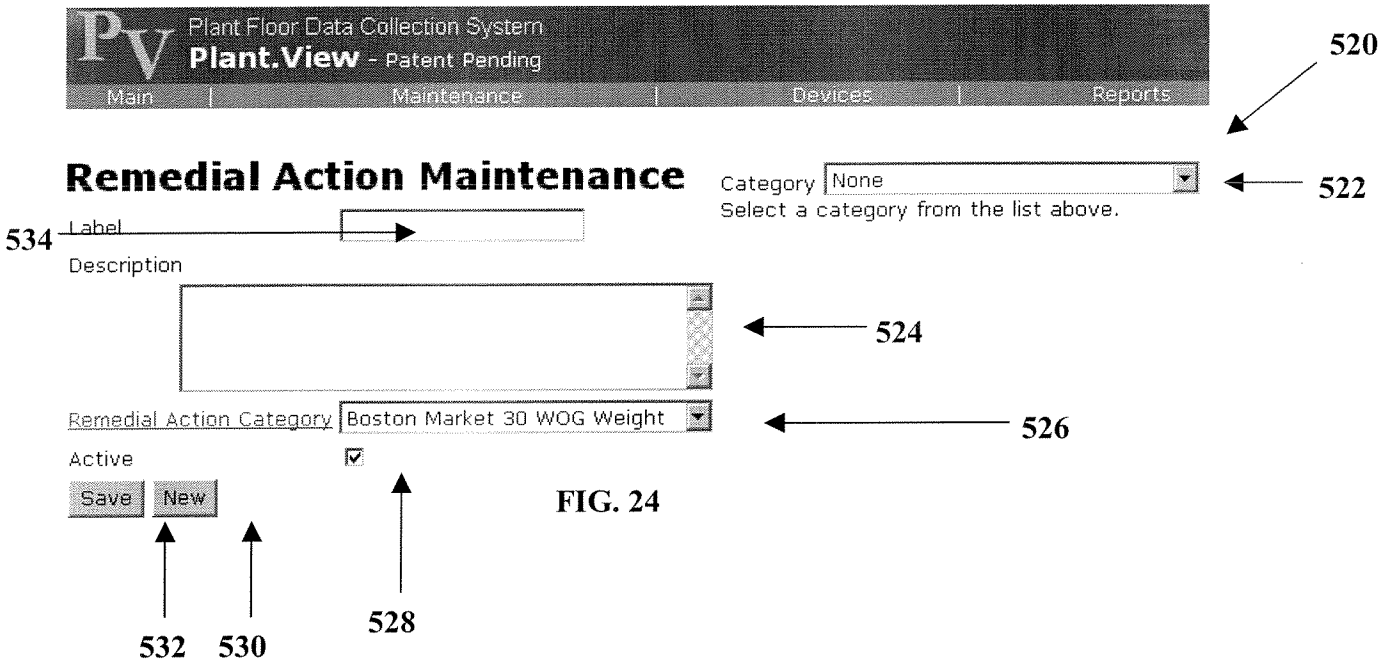
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Devices
Reports
520
Remedial Action Maintenance
Category None
522
Select a category from the list above.
534
Label
Description
524
Remedial Action Category
Boston Market 30 WOG Weight
526
Active
Save
New
532
530
528

FIG. 24

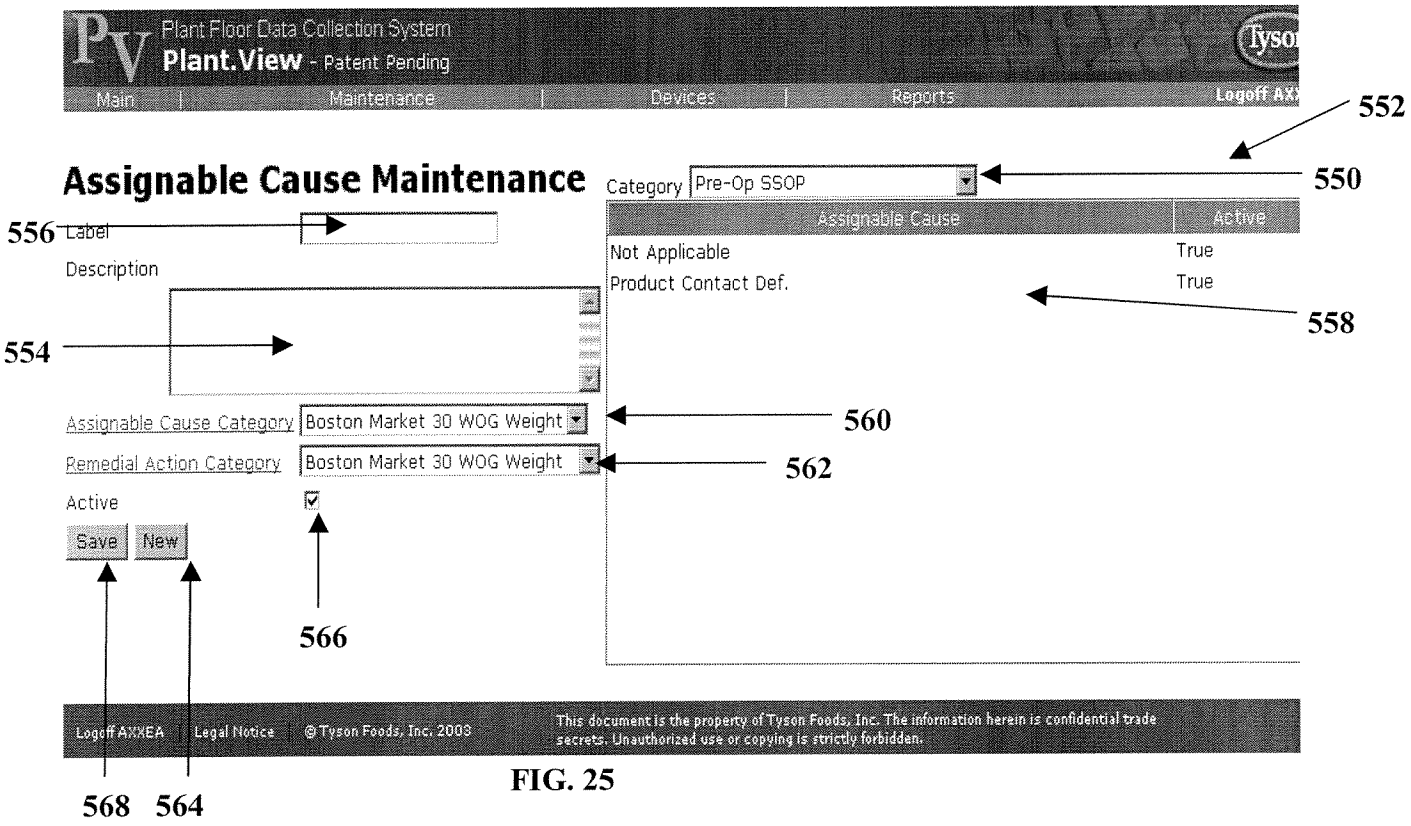
Plant Floor Data Collection System
Plant.View - Patent Pending
Main | Maintenance | Devices | Reports
Logoff AX
Assignable Cause Maintenance
Category Pre-Op SSOP
552
550
Assignable Cause
Active
Not Applicable True
Product Contact Def. True
556
Label
Description
554
558
Assignable Cause Category Boston Market 30 WOG Weight
560
Remedial Action Category Boston Market 30 WOG Weight
562
Active
Save
New
566
568
564
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FIG. 25

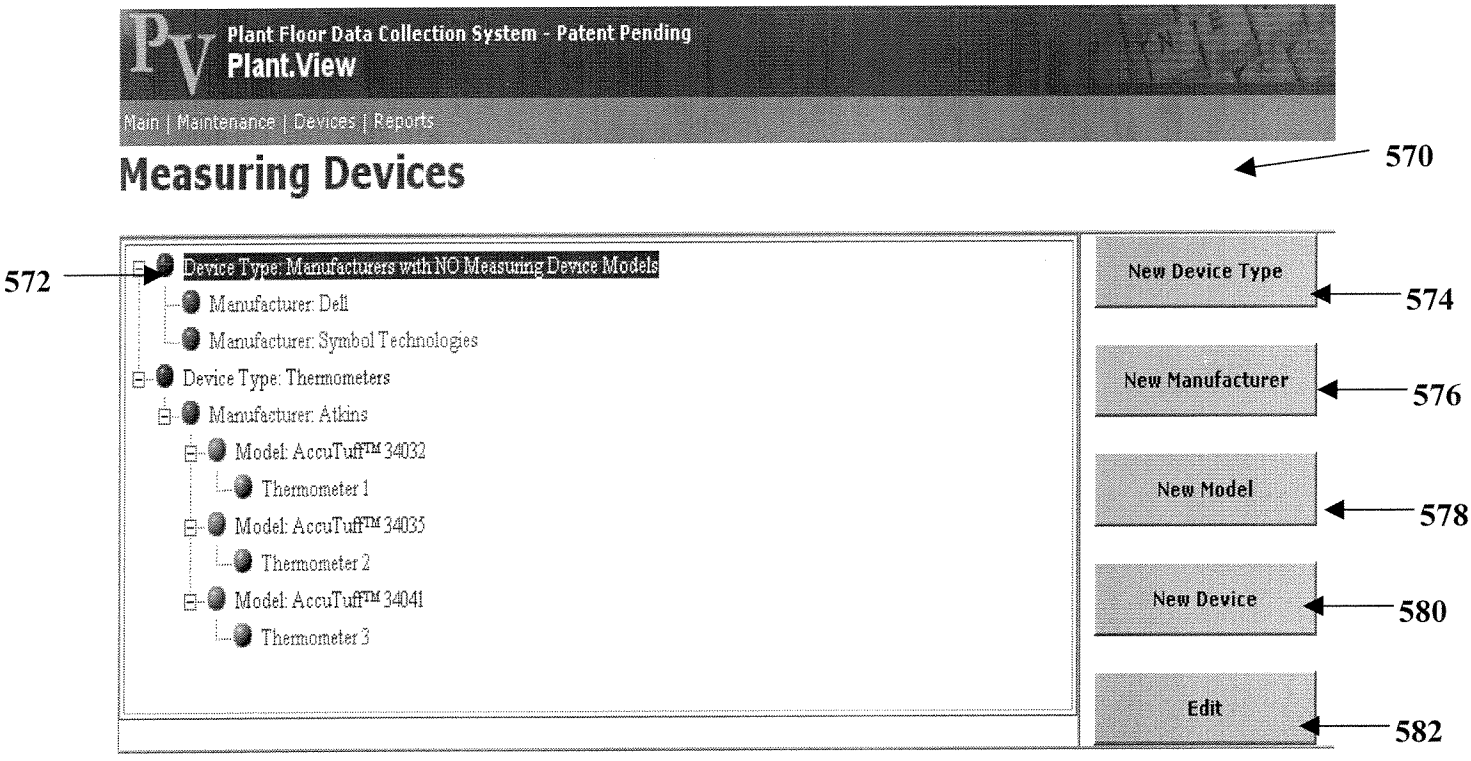
Plant Floor Data Collection System - Patent Pending
Plant.View
Main | Maintenance | Devices | Reports
Measuring Devices
570
572
Device Type: Manufacturers with NO Measuring Device Models
Manufacturer: Dell
Manufacturer: Symbol Technologies
Device Type: Thermometers
Manufacturer: Atkins
Model: AccuTuff™ 34032
Thermometer 1
Model: AccuTuff™ 34033
Thermometer 2
Model: AccuTuff™ 34041
Thermometer 3
New Device Type
574
New Manufacturer
576
New Model
578
New Device
580
Edit
582

FIG. 26

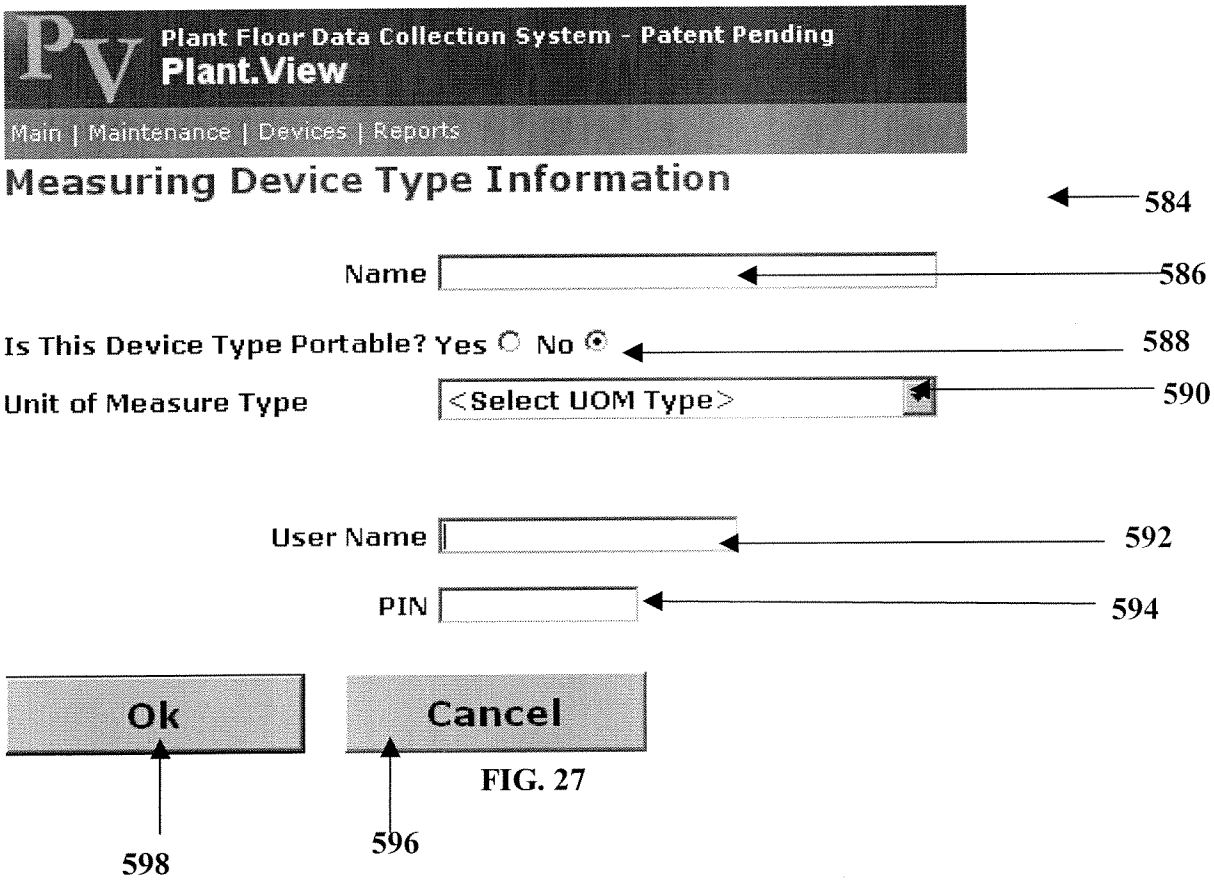
Plant Floor Data Collection System - Patent Pending
Plant.View
Main | Maintenance | Devices | Reports
Measuring Device Type Information
584
Name
586
Is This Device Type Portable? Yes No
588
Unit of Measure Type
<Select UOM Type>
590
User Name
592
PIN
594
Ok
Cancel
598
596

FIG. 27

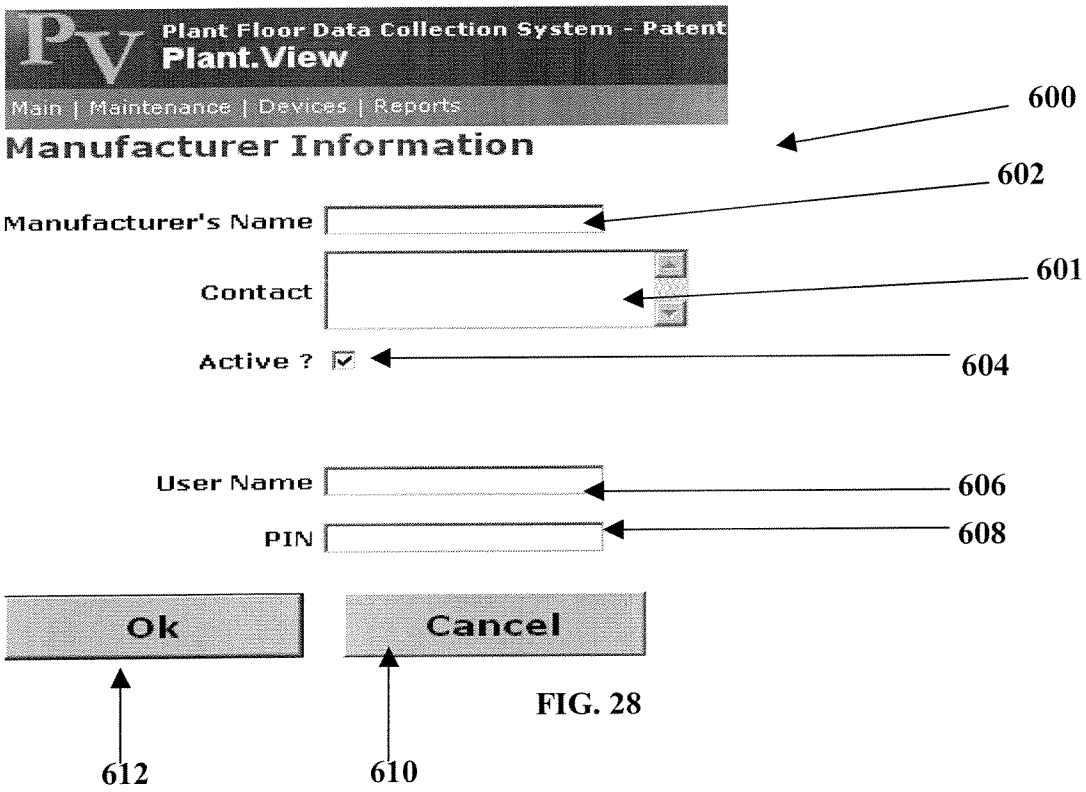
Plant Floor Data Collection System - Patent
Plant.View
Main | Maintenance | Devices | Reports
600
Manufacturer Information
602
Manufacturer's Name
Contact
601
Active ?
604
User Name
606
PIN
608
Ok
Cancel
612
610

FIG. 28

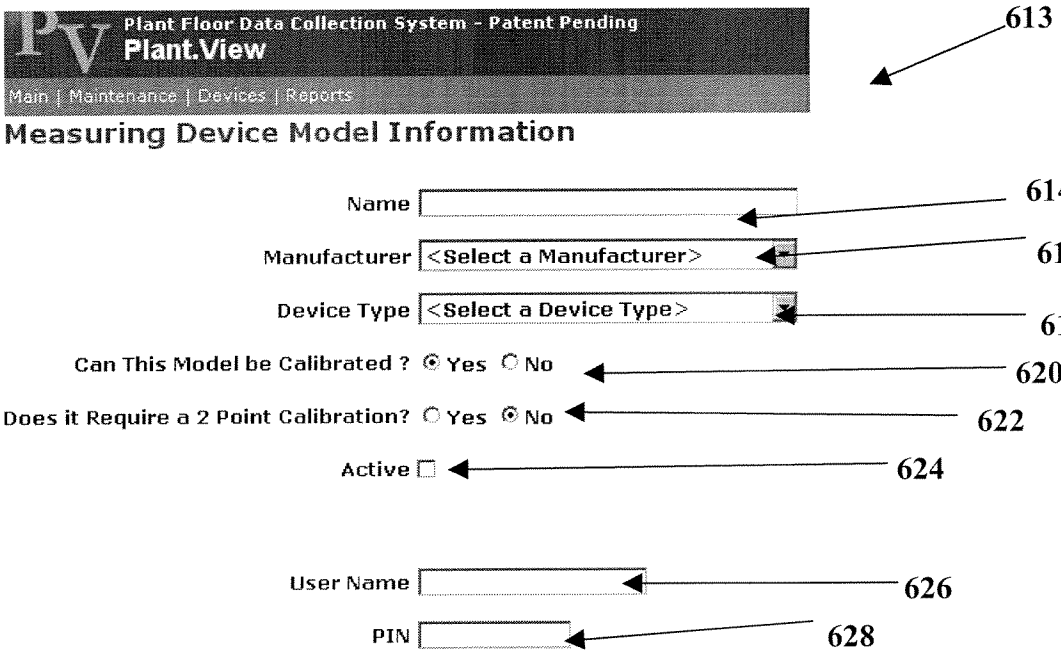
Plant Floor Data Collection System - Patent Pending
Plant.View
Main | Maintenance | Devices | Reports
613
Measuring Device Model Information
Name
614
Manufacturer
<Select a Manufacturer>
616
Device Type
<Select a Device Type>
618
Can This Model be Calibrated ? Yes No
620
Does it Require a 2 Point Calibration? Yes No
622
Active
624
User Name
626
PIN
628
Ok
Cancel
632
630

FIG. 29

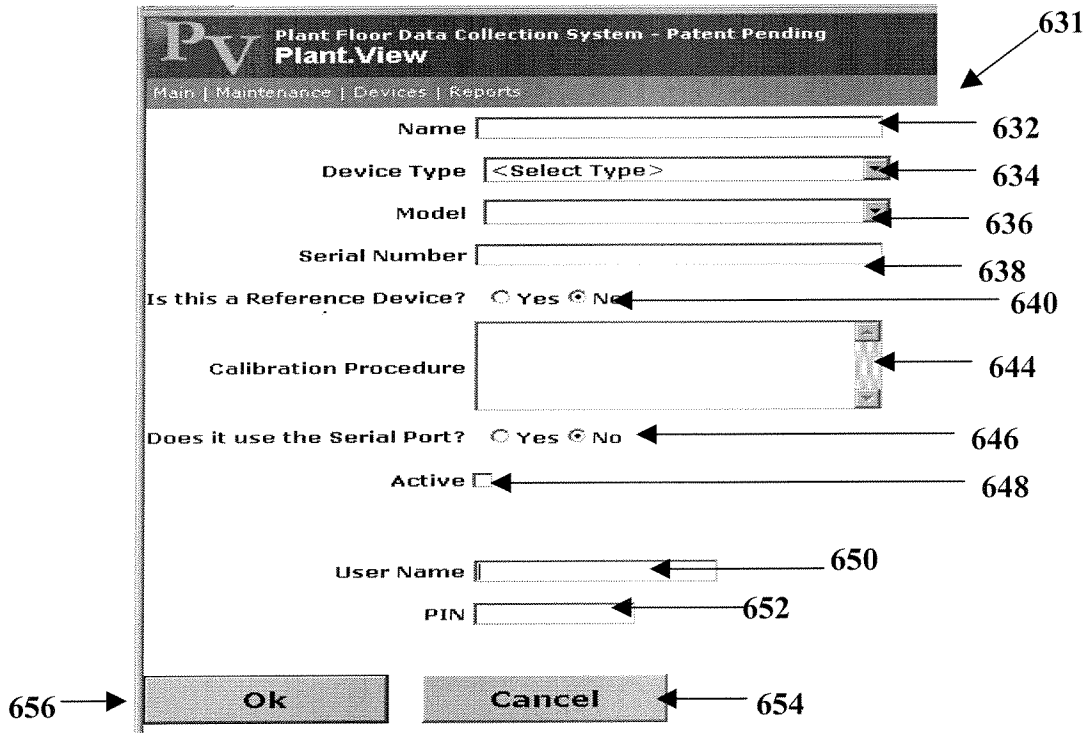
Plant Floor Data Collection System - Patent Pending
Plant.View
Main | Maintenance | Devices | Reports
631
Name
632
Device Type
<Select Type>
634
Model
636
Serial Number
638
Is this a Reference Device? Yes No
640
Calibration Procedure
644
Does it use the Serial Port? Yes No
646
Active
648
User Name
650
PIN
652
656
Ok
Cancel
654

FIG. 30

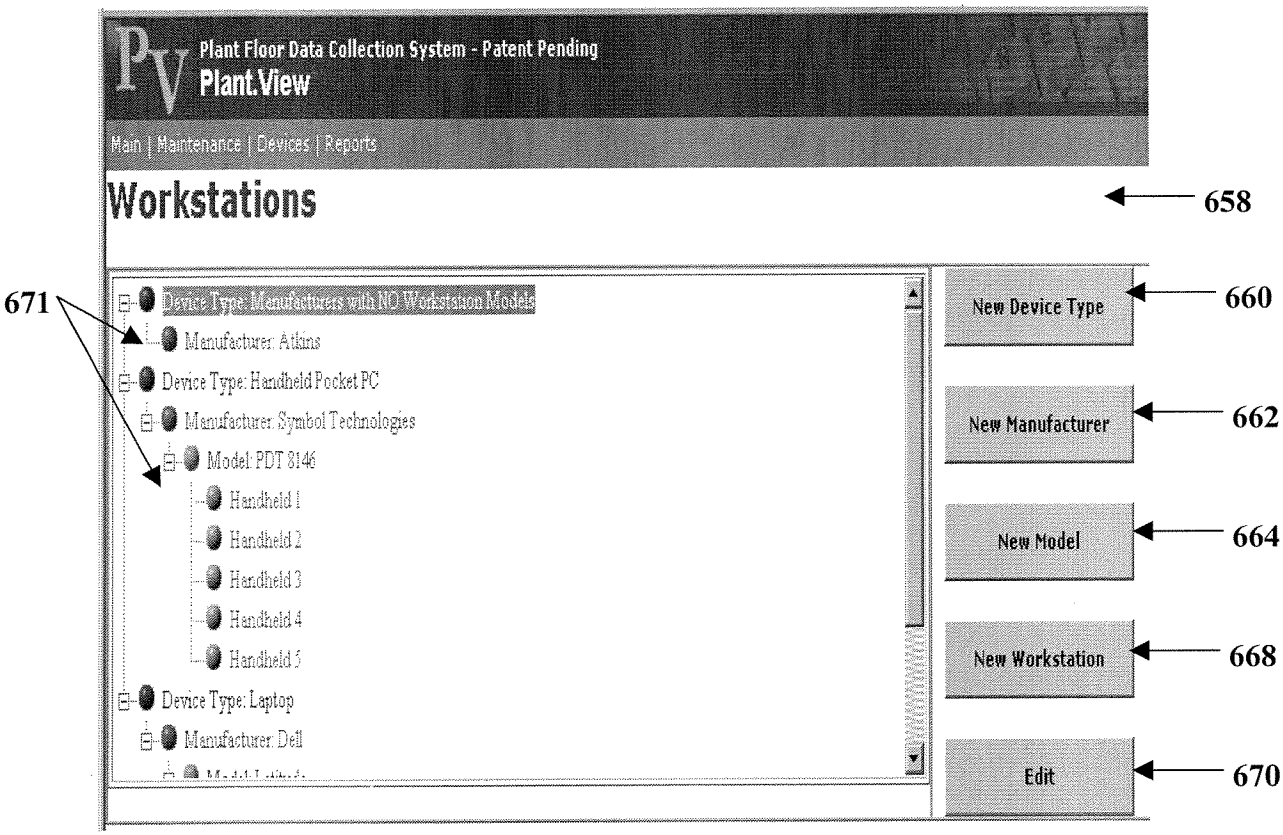
Plant Floor Data Collection System - Patent Pending
Plant.View
Main | Maintenance | Devices | Reports
Workstations
658
671
Device Type: Manufacturers with NO Workstation Models
Manufacturer: Atkins
Device Type: Handheld Pocket PC
Manufacturer: Symbol Technologies
Model: PDT 8146
Handheld 1
Handheld 2
Handheld 3
Handheld 4
Handheld 5
Device Type: Laptop
Manufacturer: Dell
New Device Type
660
New Manufacturer
662
New Model
664
New Workstation
668
Edit
670

FIG. 31

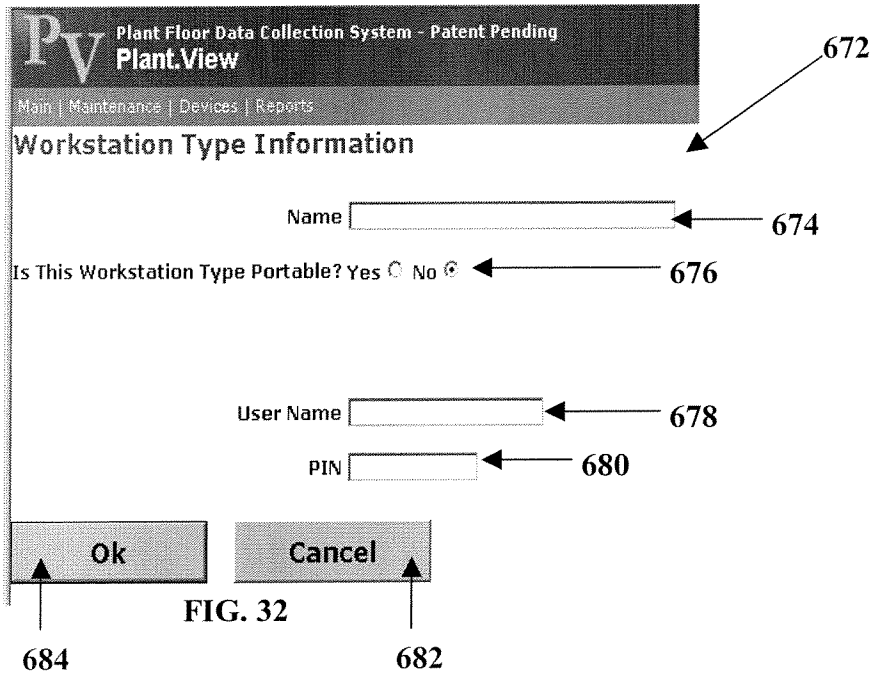
Plant Floor Data Collection System - Patent Pending
Plant.View
Main | Maintenance | Devices | Reports
672
Workstation Type Information
Name
674
Is This Workstation Type Portable? Yes No
676
User Name
678
PIN
680
Ok
Cancel
684
682

FIG. 32

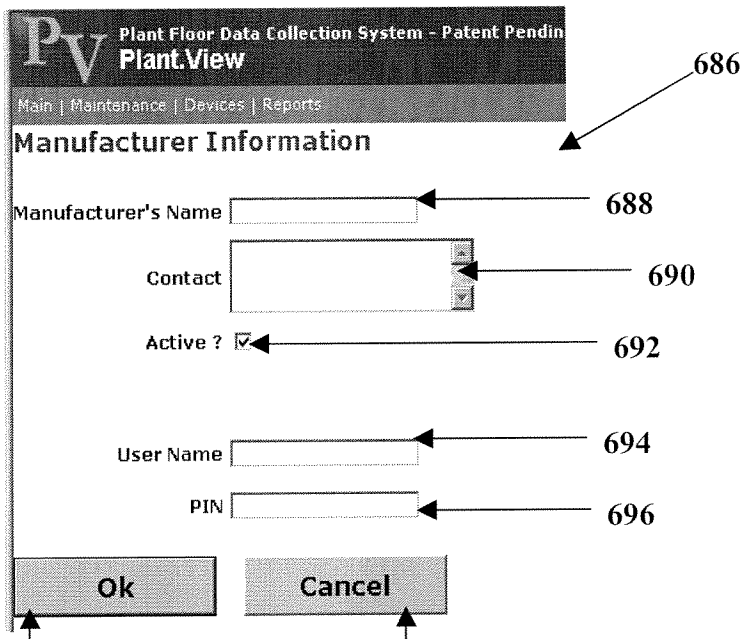
Plant Floor Data Collection System - Patent Pendin
Plant.View
Main | Maintenance | Devices | Reports
Manufacturer Information
686
Manufacturer's Name
688
Contact
690
Active ?
692
User Name
694
PIN
696
Ok
Cancel
700
698

FIG. 33

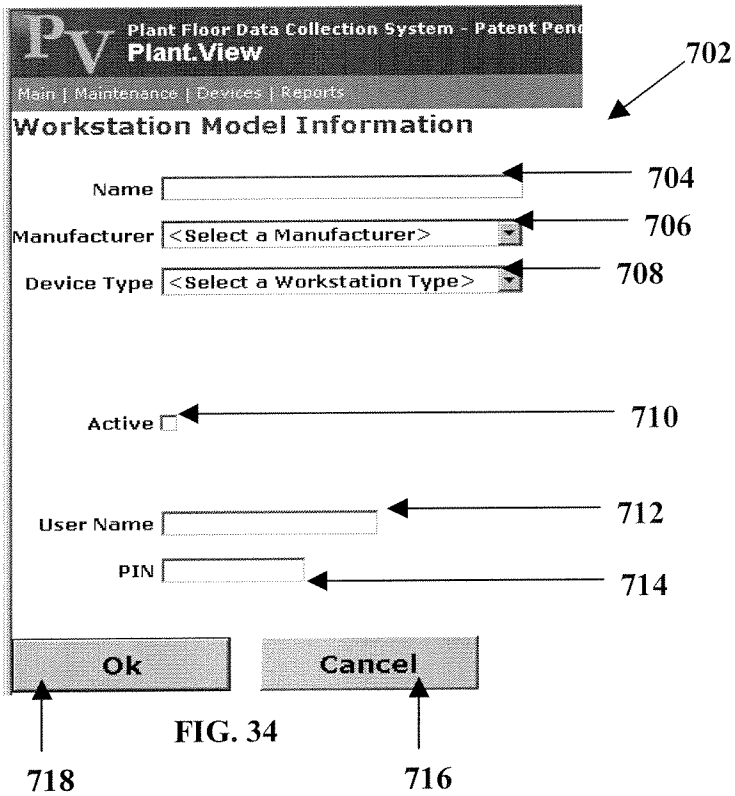
Plant Floor Data Collection System - Patent Pend
Plant.View
Main | Maintenance | Devices | Reports
Workstation Model Information
702
Name
704
Manufacturer
<Select a Manufacturer>
706
Device Type
<Select a Workstation Type>
708
Active
710
User Name
712
PIN
714
Ok
Cancel
718
716

FIG. 34

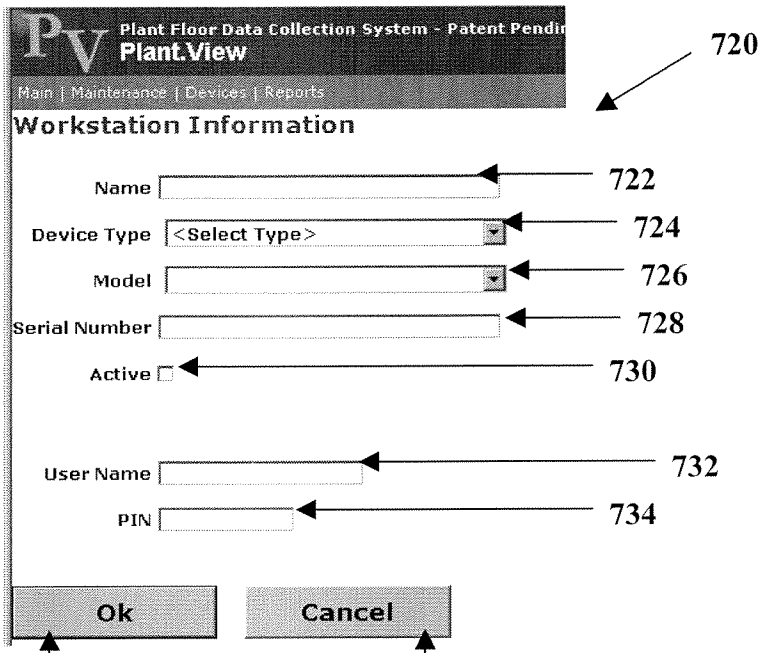
Plant Floor Data Collection System - Patent Pendi
Plant.View
Main | Maintenance | Devices | Reports
Workstation Information
Name
Device Type
<Select Type>
Model
Serial Number
Active
User Name
PIN
Ok
Cancel
720
722
724
726
728
730
732
734
736
738

FIG. 35

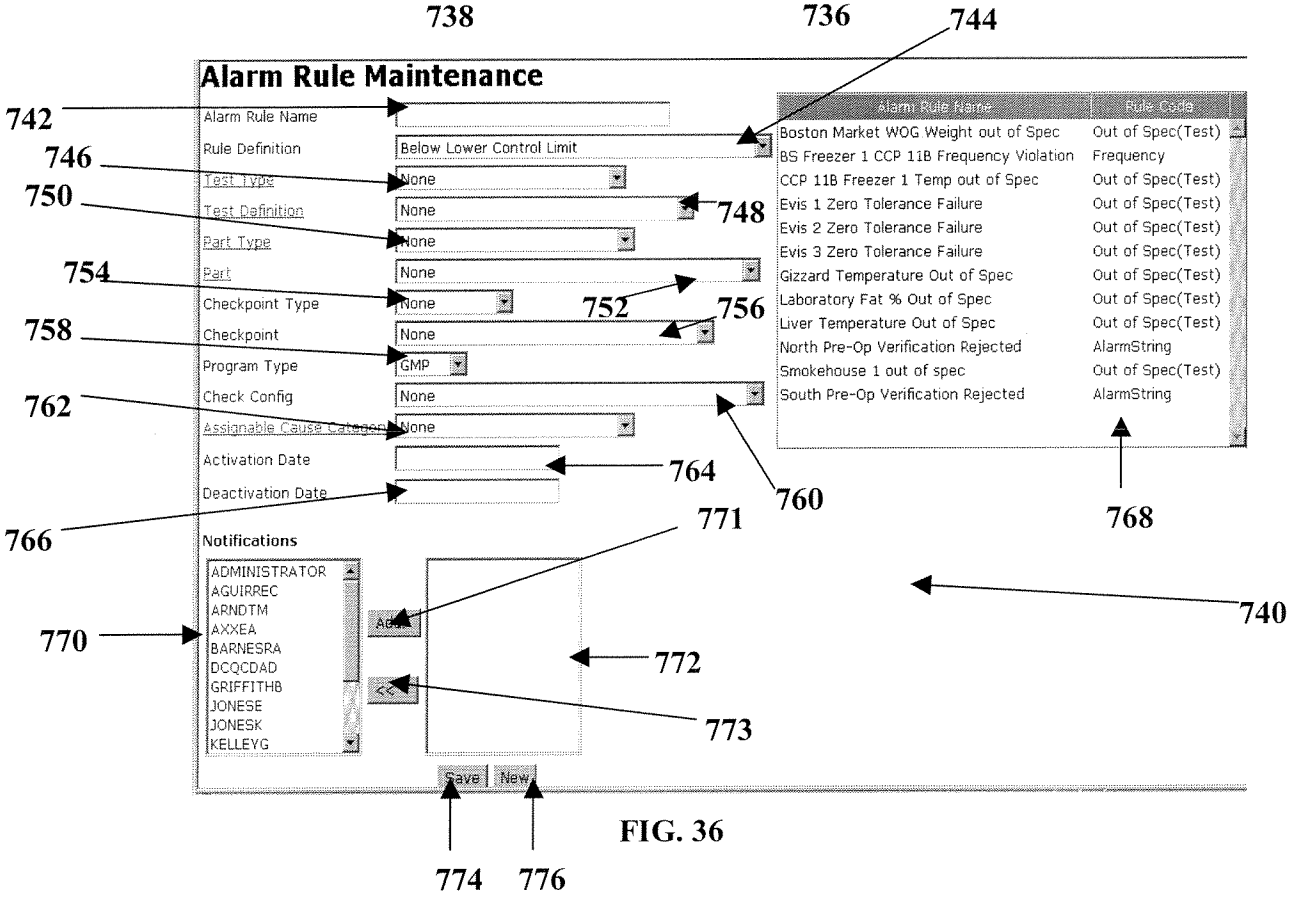
Alarm Rule Maintenance
Alarm Rule Name
Rule Definition
Below Lower Control Limit
Test Type
None
Test Definition
Part Type
Part
Checkpoint Type
Checkpoint
Program Type
GMP
Check Config
Assignable Cause Category
Activation Date
Deactivation Date
Notifications
ADMINISTRATOR
AGUIRREC
ARNDTM
AXXEA
BARNESRA
DCQCDAD
GRIFFITHB
JONESE
JONESK
KELLEYG
Add
<<
Save
New
Alarm Rule Name
Rule Code
Boston Market WOG Weight out of Spec
Out of Spec(Test)
BS Freezer 1 CCP 11B Frequency Violation
Frequency
CCP 11B Freezer 1 Temp out of Spec
Out of Spec(Test)
Evis 1 Zero Tolerance Failure
Out of Spec(Test)
Evis 2 Zero Tolerance Failure
Out of Spec(Test)
Evis 3 Zero Tolerance Failure
Out of Spec(Test)
Gizzard Temperature Out of Spec
Out of Spec(Test)
Laboratory Fat % Out of Spec
Out of Spec(Test)
Liver Temperature Out of Spec
Out of Spec(Test)
North Pre-Op Verification Rejected
AlarmString
Smokehouse 1 out of spec
Out of Spec(Test)
South Pre-Op Verification Rejected
AlarmString
740
742
744
746
748
750
752
754
756
758
760
762
764
766
768
770
771
772
773
774
776

FIG. 36

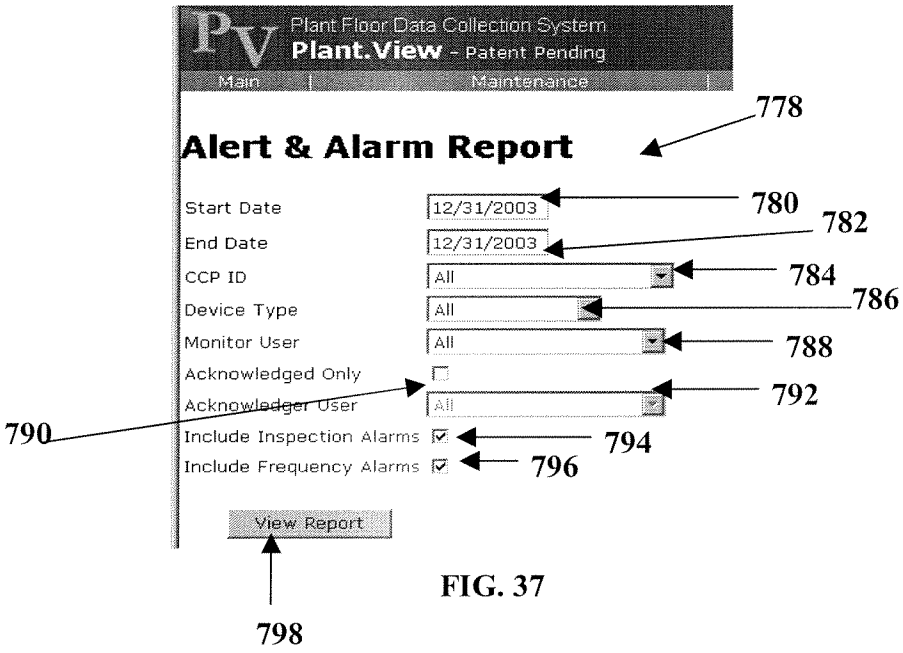
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Alert & Alarm Report
Start Date
12/31/2003
End Date
12/31/2003
CCP ID
All
Device Type
All
Monitor User
All
Acknowledged Only
Acknowledger User
All
Include Inspection Alarms
Include Frequency Alarms
View Report
778
780
782
784
786
788
790
792
794
796
798

FIG. 37

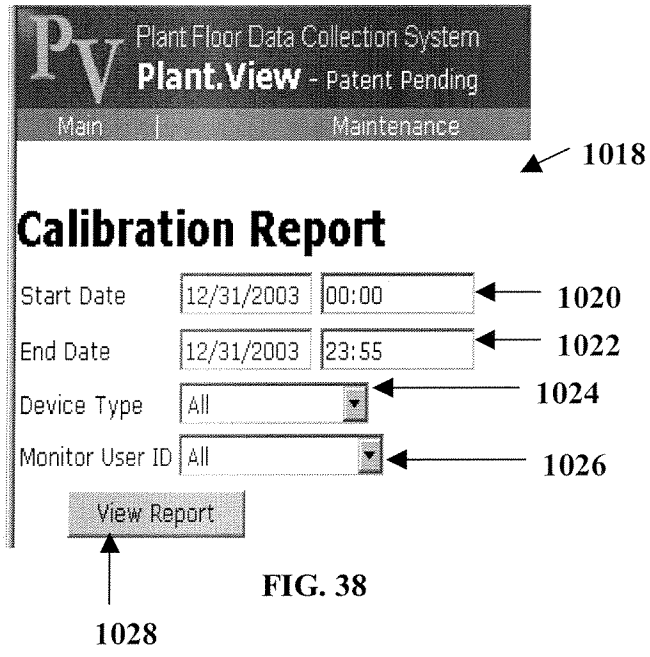
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Calibration Report
Start Date
12/31/2003
00:00
End Date
12/31/2003
23:55
Device Type
All
Monitor User ID
All
View Report
1018
1020
1022
1024
1026
1028

FIG. 38

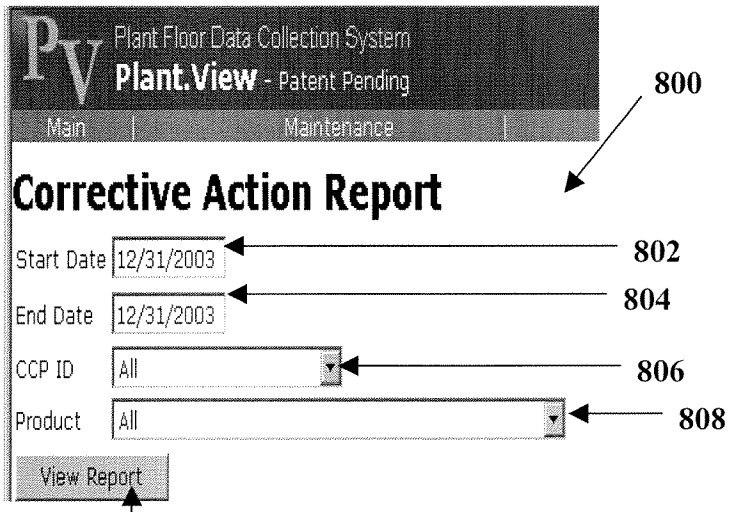
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Corrective Action Report
Start Date 12/31/2003
End Date 12/31/2003
CCP ID All
Product All
View Report
800
802
804
806
808
810

FIG. 39

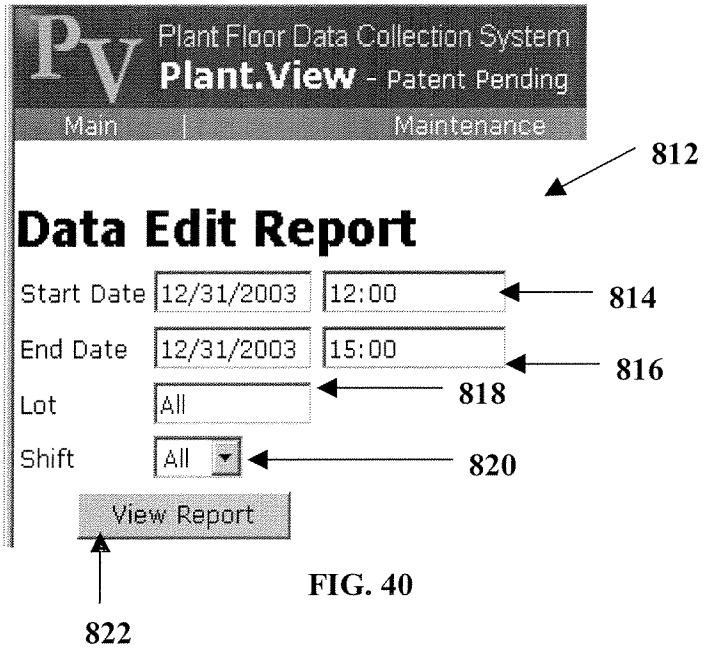
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Data Edit Report
Start Date 12/31/2003 12:00
End Date 12/31/2003 15:00
Lot All
Shift All
View Report
812
814
816
818
820
822

FIG. 40

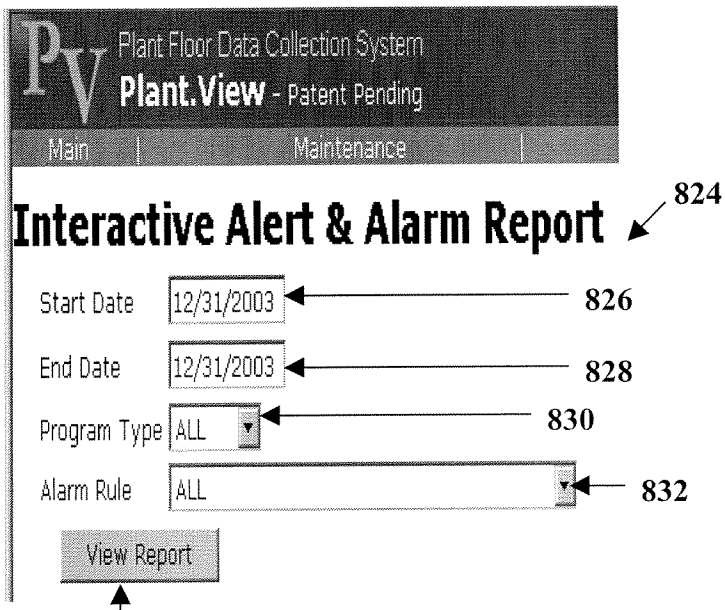
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Interactive Alert & Alarm Report
824
Start Date
12/31/2003
826
End Date
12/31/2003
828
Program Type
ALL
830
Alarm Rule
ALL
832
View Report
834

FIG. 41

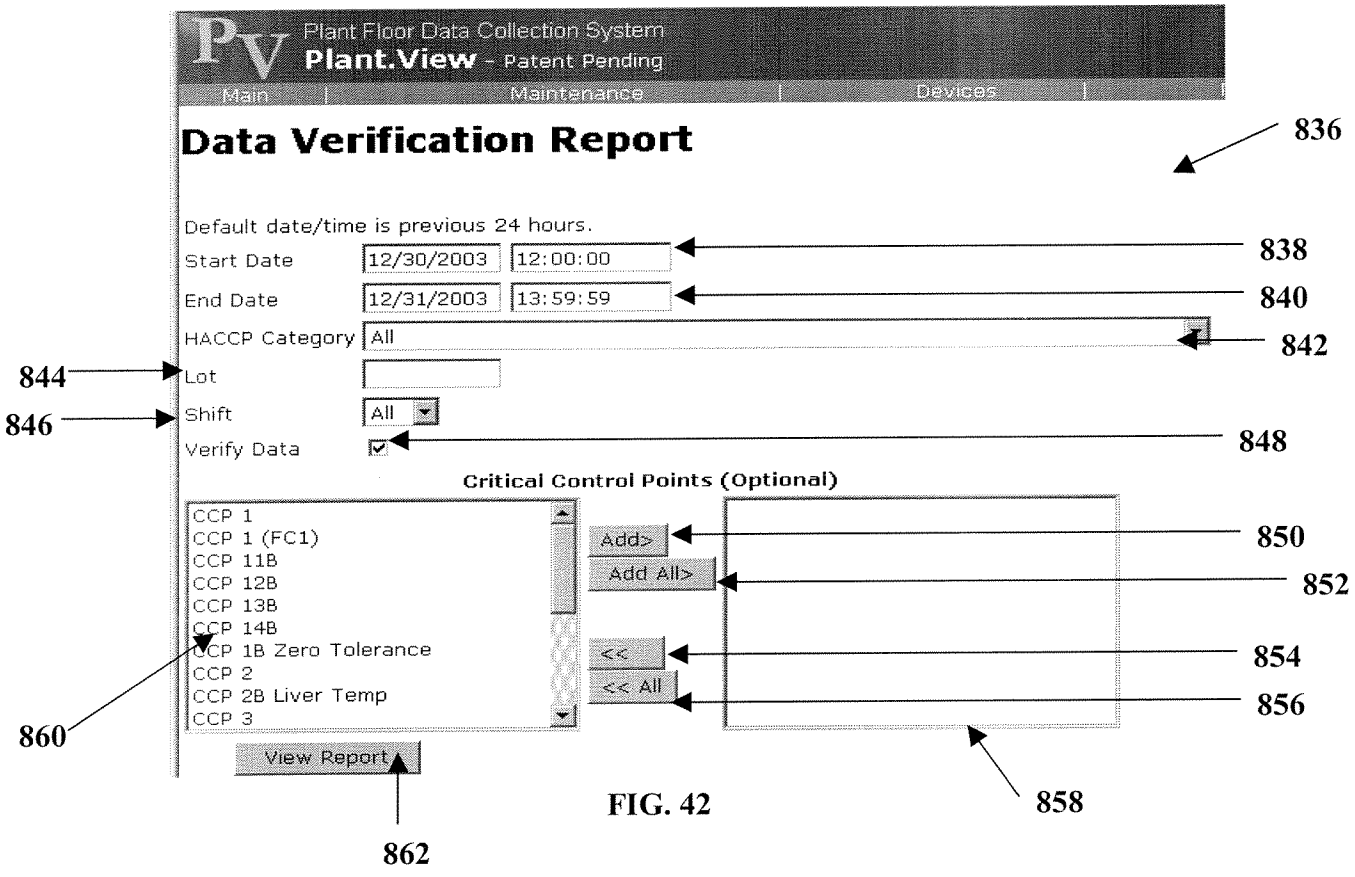
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Devices
Data Verification Report
836
Default date/time is previous 24 hours.
Start Date
12/30/2003
12:00:00
838
End Date
12/31/2003
13:59:59
840
HACCP Category
All
842
844
Lot
846
Shift
All
Verify Data
848
Critical Control Points (Optional)
CCP 1
CCP 1 (FC1)
CCP 11B
CCP 12B
CCP 13B
CCP 14B
CCP 1B Zero Tolerance
CCP 2
CCP 2B Liver Temp
CCP 3
Add>
850
Add All>
852
<<
854
<< All
856
860
858
View Report
862

FIG. 42

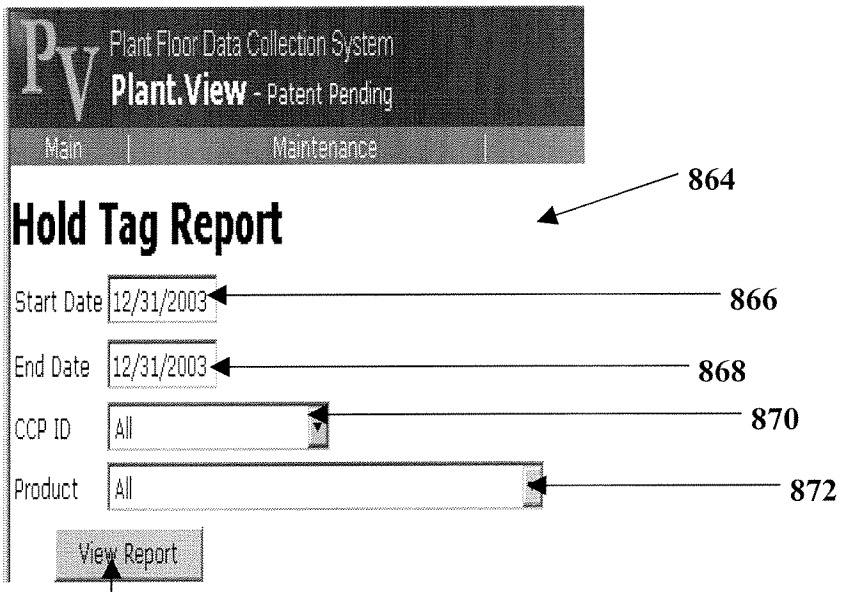
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Hold Tag Report
Start Date
12/31/2003
End Date
12/31/2003
CCP ID
All
Product
All
View Report
864
866
868
870
872
874

FIG. 43

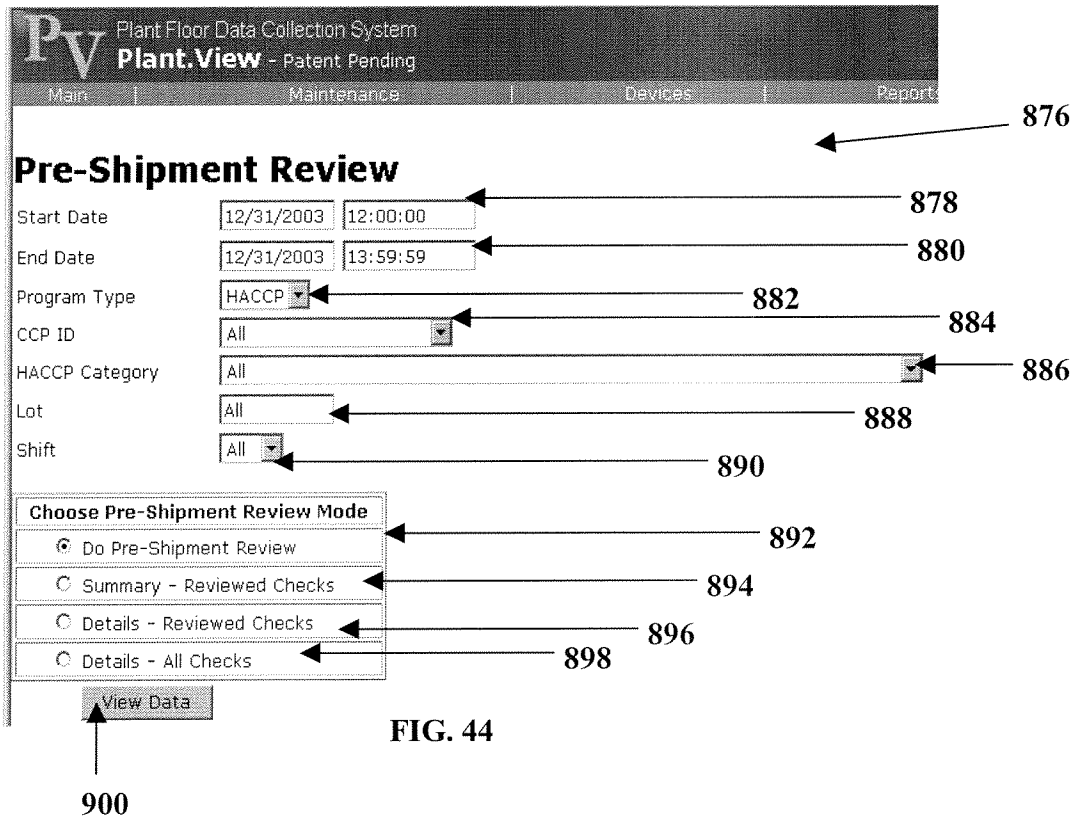
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Devices
Report
Pre-Shipment Review
Start Date
12/31/2003
12:00:00
End Date
12/31/2003
13:59:59
Program Type
HACCP
CCP ID
All
HACCP Category
All
Lot
All
Shift
All
Choose Pre-Shipment Review Mode
Do Pre-Shipment Review
Summary - Reviewed Checks
Details - Reviewed Checks
Details - All Checks
View Data
876
878
880
882
884
886
888
890
892
894
896
898
900

FIG. 44

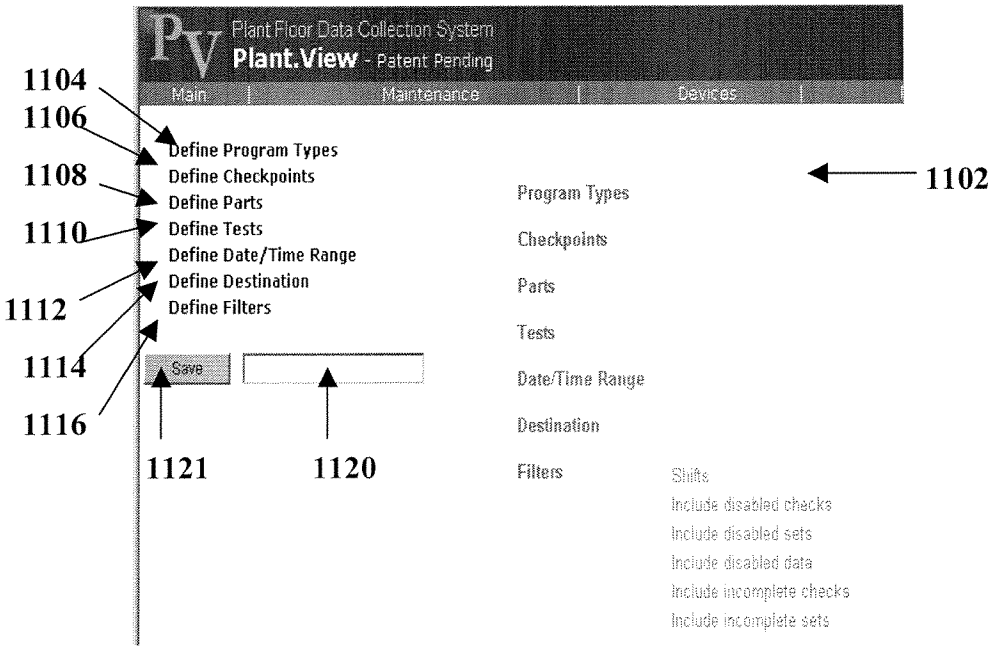
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Devices
1104
1106
1108
1110
1112
1114
1116
Define Program Types
Define Checkpoints
Define Parts
Define Tests
Define Date/Time Range
Define Destination
Define Filters
Save
1121
1120
1102
Program Types
Checkpoints
Parts
Tests
Date/Time Range
Destination
Filters
Shifts
Include disabled checks
Include disabled sets
Include disabled data
Include incomplete checks
Include incomplete sets

FIG. 45

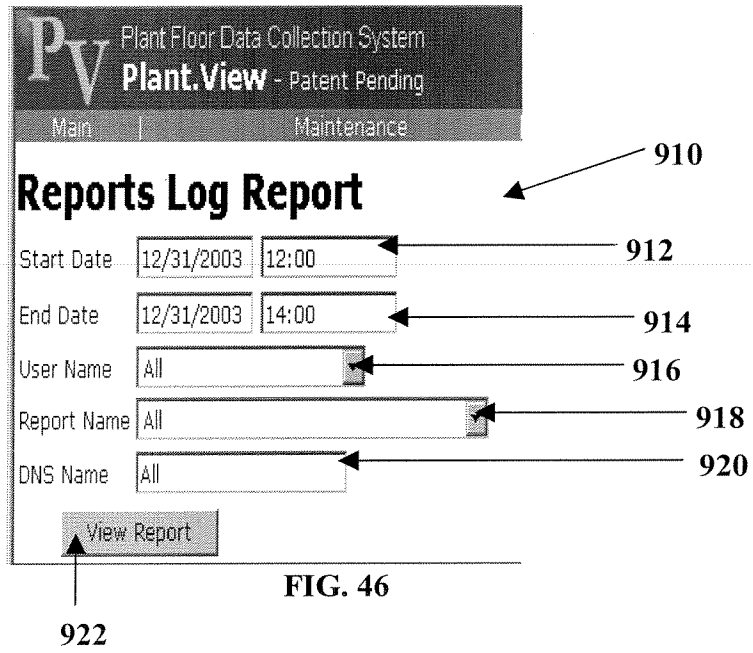
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
Reports Log Report
910
Start Date
12/31/2003
12:00
912
End Date
12/31/2003
14:00
914
User Name
All
916
Report Name
All
918
DNS Name
All
920
View Report
922

FIG. 46

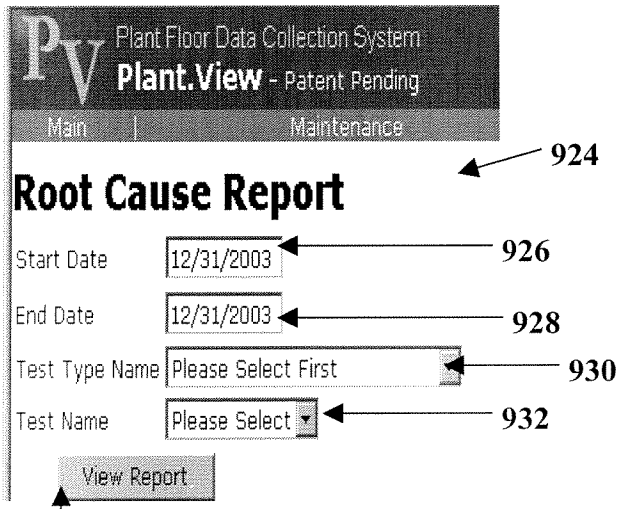
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
924
Root Cause Report
Start Date
12/31/2003
926
End Date
12/31/2003
928
Test Type Name
Please Select First
930
Test Name
Please Select
932
View Report
934

FIG. 47

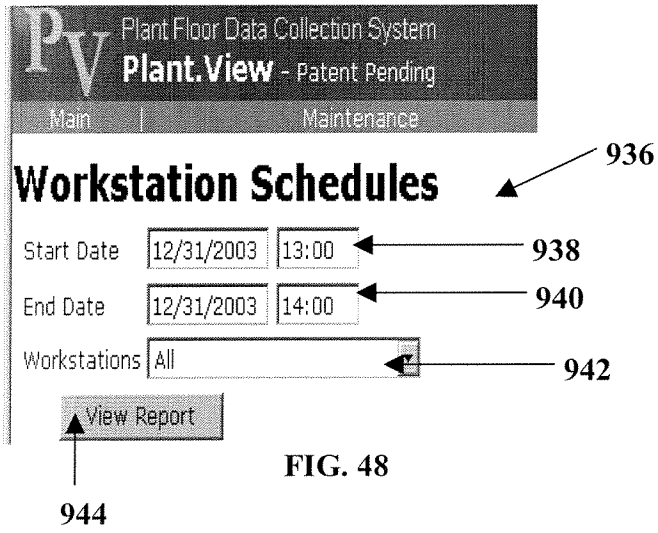
Plant Floor Data Collection System
Plant.View - Patent Pending
Main
Maintenance
936
Workstation Schedules
Start Date
12/31/2003
13:00
938
End Date
12/31/2003
14:00
940
Workstations
All
942
View Report
944

FIG. 48

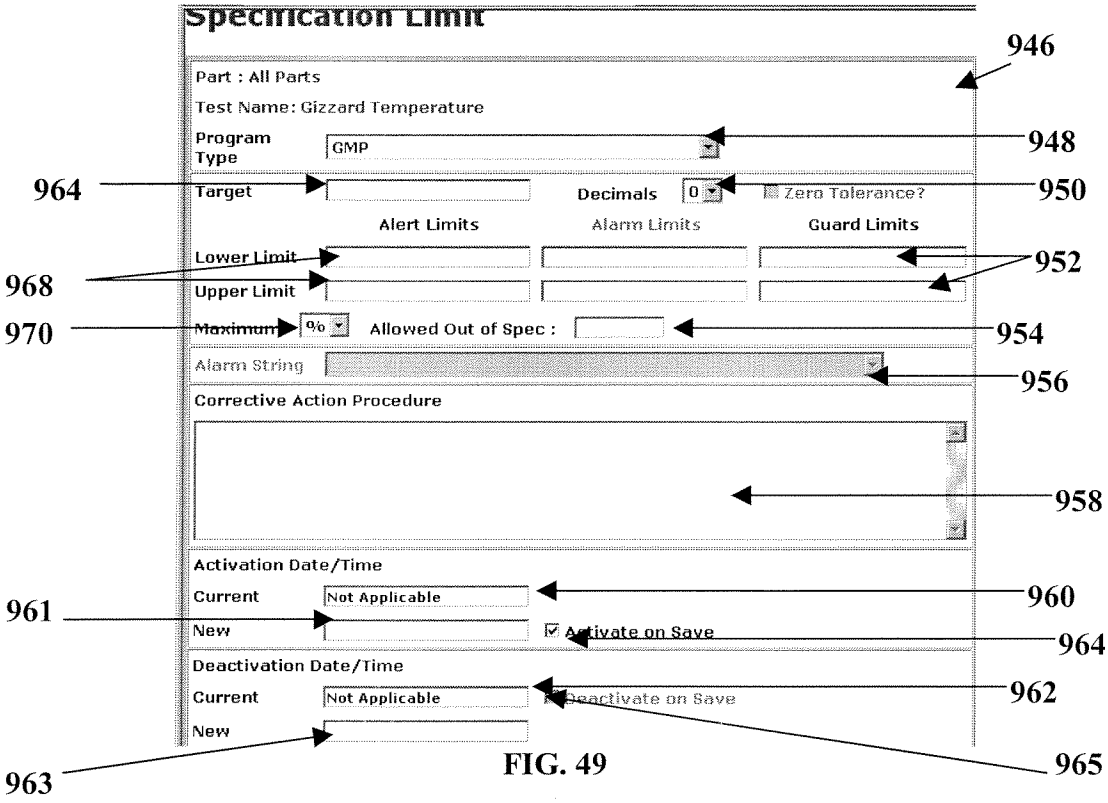
Specification Limit
946
Part : All Parts
Test Name: Gizzard Temperature
Program Type
GMP
948
964
Target
Decimals
0
Zero Tolerance?
950
Alert Limits
Alarm Limits
Guard Limits
Lower Limit
952
968
Upper Limit
970
Maximum
%
Allowed Out of Spec :
954
Alarm String
956
Corrective Action Procedure
958
Activation Date/Time
Current
Not Applicable
960
961
New
Activate on Save
964
Deactivation Date/Time
Current
Not Applicable
962
Deactivate on Save
New
963
965

FIG. 49